Current Economic Analysis F-**30**

Food Fish Market Review

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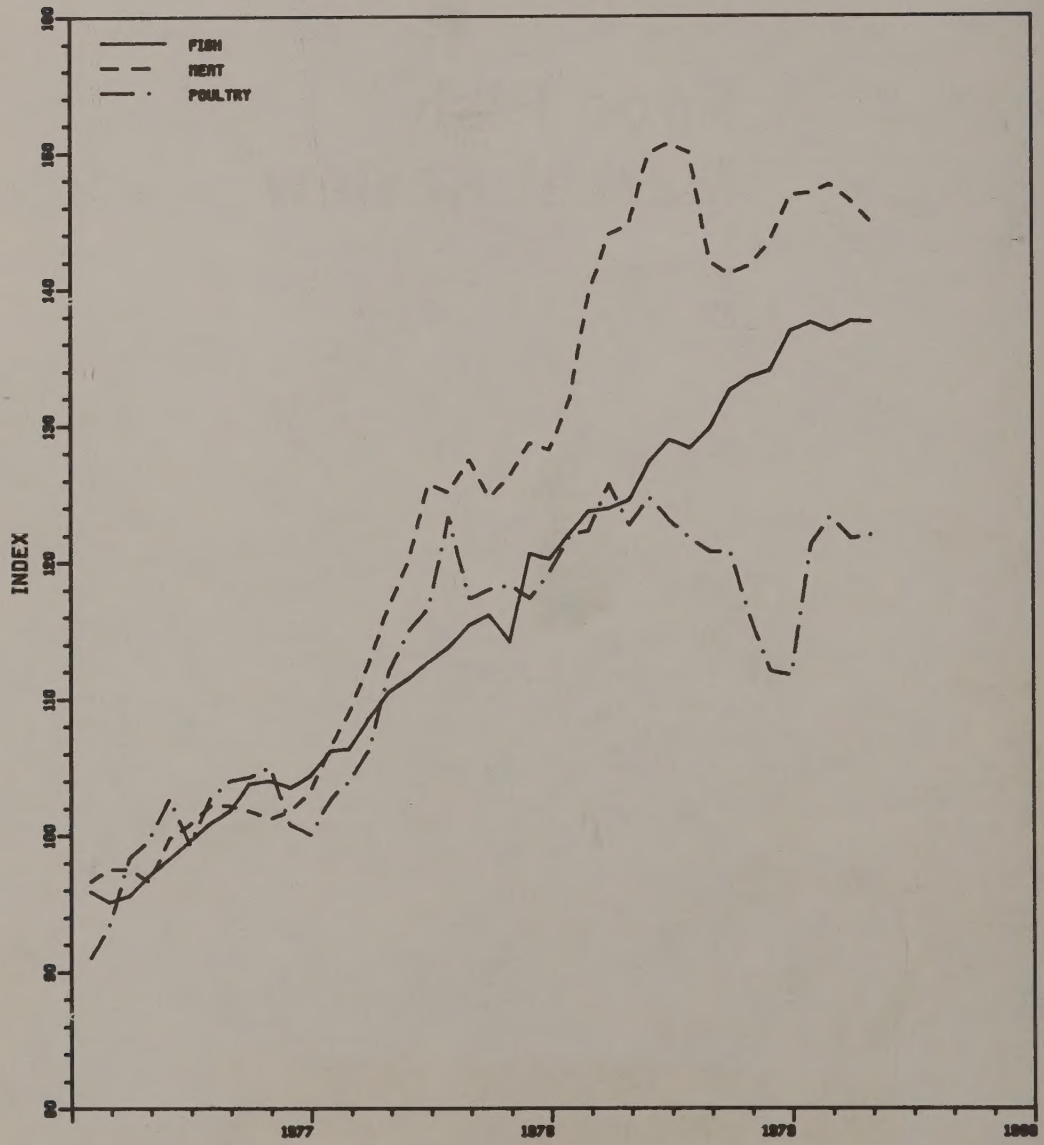
U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service

NMFS SURVEY OF RETAIL PRICES
RETAIL PRICE INDEX FOR FISH, MEAT, AND POULTRY,
MONTHLY, 1977-80
1977=100



FOOD FISH MARKET REVIEW

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SUMMARY

Consumption of most finfish products slowed or declined in 1979 as the summer fuel shortage, lower chicken and pork prices, and a drop in real consumer purchasing power affected sales. Except for a couple of products, supplies were adequate, and did not present any real problems. Wholesale prices for most products advanced 7 to 12 percent from 1978. At the retail level, prices for fishery products rose 14 percent in 1979, and generally kept pace with inflation. The most significant event in 1979 was the one-third increase in landings of salmon, and the strong export demand for frozen and canned salmon.

Consumption of canned salmon and fillets of flounder, ocean perch, and turbot declined; while consumption of fish sticks, and portions, and canned tuna was practically unchanged from 1978. Only consumption of cod and haddock fillets increased. Sales of sticks and portions were substantially higher in the first quarter, but were off the rest of the year. The strength of the batter-coated products kept sales from falling. The use of fish blocks was up 2 percent. An increase in the use of pollock and whiting blocks more than offset the decline in the use of haddock and minced blocks. Supplies of groundfish fillets, except for turbot fillets, were greater than in 1978. Lower imports of turbot fillets and stable prices contributed to a fairly steady market, and the large beginning inventories were drawn down. The market for fillets of cod, flounder, and haddock was good; however, higher prices for flounder began to hamper sales. Ocean perch sales fell, even though supplies improved and inventories were heavier.

A one-third increase in landings of salmon greatly enhanced the supply of frozen salmon. Because of the anticipated strength of the frozen export market, the amount canned was reduced 8 percent. Foreign demand for frozen salmon did not materialize as expected, and inventories built up. Although demand for frozen salmon weakened, there were record exports of both canned and frozen salmon. Prices for canned salmon steadily increased during 1979.

Lower receipts of domestic-caught tuna and imports were reflected in a comparable decline in the tuna pack. Consumption was virtually unchanged, and apparently inventories declined. Prices were generally 7 to 9 percent higher than in 1978.

The outlook for fishery products in 1980 depends on the strength or weakness of the U.S. economy, restaurant sales, and prices of meat and poultry. The Administration predicted the economy would recover from the recession in late 1980. Some economists have predicted a longer, and more severe recession than previously

forecasted. Real restaurant sales (adjusted for inflation) may decline slightly in 1980. Since restaurants and others in the food service industry account for roughly two-thirds of the wholesale value of all seafood sales, a decline would result in lower sales of fishery products. Another factor that could affect restaurant sales is the supply of gasoline. Supplies in 1980 should be adequate, but prices will be higher. Prices of meat and poultry in the second half of 1980 should begin to increase. Supplies of beef will be lower, and plentiful supplies of pork and chicken will diminish. Hamburger meat supplies should ease slightly in 1980, and prices will decline because of adequate supplies and lower demand.

With the slowdown of the economy and lower restaurant sales, sales of most finfish products will continue to be slow. Production costs continue to rise, particularly energy costs, and the seafood industry would like to pass on some of the increases. Prices will be higher, but there will be considerable pressure to lower prices if they are to sustain sales. The outlook for salmon is another good year for landings, and lower prices are predicted.

FISH BLOCKS, STICKS AND PORTIONS

STICKS AND PORTIONS

Consumption of fish sticks and portions in 1979 increased only 0.3 percent from 1978 after advancing 6 percent in 1978 (table 1). Demand was strong during the first quarter of 1979, but diminished in the next three quarters compared to 1978. The demand for batter-coated sticks and portions continued to be strong, as demonstrated by a 19-percent increase in production (table 2). Batter-coated production comprised over 25 percent of total stick and portion production, up from 21 percent in 1978.

Total production of fish sticks and portions in 1979 was 482 million pounds--down 0.4 percent from 1978. Supplies were up slightly, because of a large increase in beginning-of-the-year stocks.

Apparent consumption of 480 million pounds surpassed the record established the previous year by 1.3 million pounds. Sales of fish sticks and portions after the first quarter were affected by the summer fuel shortage, lower prices for pork and chicken, and a reduction in real consumer purchasing power. During 1979, average annual wholesale prices for fish sticks and portions increased 3 to 12 percent. Prices for cod sticks increased only 3 percent. Prices for pollock sticks rose 8 percent, and raw breaded pollock portions were 5 percent higher. Strong demand for whiting products was reflected in the largest increases in prices. They were 12 percent higher for sticks and 10 percent higher for portions.

Table 1.--Supply and use of fish sticks and portions, 1978 and 1979

(Product weight)

Component	1978	1979	Change
	--Million pounds--		Percent
Beginning stocks	30.5	37.1	+ 22
Production			
Sticks	94.7	91.9	- 3
Portions	389.4	390.4	1/
Total	484.1	482.2	1/
Imports	1.4	2.4	+ 71
Total supply	516.0	521.8	+ 1
Ending stocks	37.1	41.7	+ 12
Apparent consumption	478.8	480.1	1/

1/ Less than 0.5 percent.

Table 2.--Production of fish sticks and portions, by product and type, 1978 and 1979

Product and type	1978	1979	Change
	--Million pounds--		Percent
Fish sticks			
Cooked, breaded	72.0	63.4	- 12
Cooked, batter-coated	17.4	23.3	+ 34
Raw, breaded	5.2	5.2	-
Total	94.7	91.9	- 3
Fish portions			
Cooked, breaded	87.4	82.0	- 6
Cooked, batter-coated	86.6	100.6	+ 16
Raw, breaded	182.4	177.4	- 3
Unbreaded	32.8	30.4	- 7
Total	389.4	390.4	1/

1/ Less than 0.5 percent.

FISH BLOCKS

Slower growth in the market for fish sticks and portions caused a slowdown in the block market; however, block use still broke another record in 1979 (table 3). The use of fish blocks in 1979 increased 2 percent above 1978 to a record 418 million pounds. There was an 11-percent increase from 1977 to 1978. While supplies of blocks were about the same as a year earlier, processors were making an effort to reduce inventories because of the high interest rates. Inventories on December 31, 1979, were 13 percent below a year earlier.

Imports of blocks were less than 0.5 percent above 1978, but there were substantial shifts among suppliers (table 4). Imports were substantially greater from Canada and the Republic of Korea, but were less from Denmark and Norway. Uruguay had the largest percentage increase; their shipments in 1979, mostly whiting blocks, were 13.3 million pounds, up from 4.1 million pounds in 1978.

While total block use in 1979 increased 2 percent from 1978, the use of cod blocks, the leading species of blocks, dropped slightly (table 5). The use of haddock blocks also dropped substantially. A sizable increase in use of pollock and whiting blocks more than offset the decline in use of cod, haddock, and minced blocks.

Table 3.--Supply and use of fish blocks, 1978 and 1979

(Product weight)

Component	1978	1979	Change
	--Million pounds--		Percent
Beginning stocks	73.2	71.9	- 2
Production	2.1	0.8	- 62
Imports	406.3	408.2	1/
Total supply	481.6	480.9	1/
Ending stocks	71.9	62.5	- 13
Disappearance	409.7	418.4	+ 2

1/ Less than 0.5 percent.

Table 4.--Imports of fish blocks, by country of origin, 1978 and 1979

Country	1978	1979	Change
	--Million pounds--		Percent
Canada	101.6	124.3	+ 22
Iceland	65.9	71.5	+ 8
Rep. of Korea	52.5	65.7	+ 25
Denmark	62.3	30.2	- 52
Argentina	26.1	27.9	+ 7
Norway	45.8	19.7	- 57
Greenland	19.5	19.1	- 2
Japan	13.2	16.3	+ 23
Other	19.5	33.5	+ 72
Total	406.3	408.2	1/

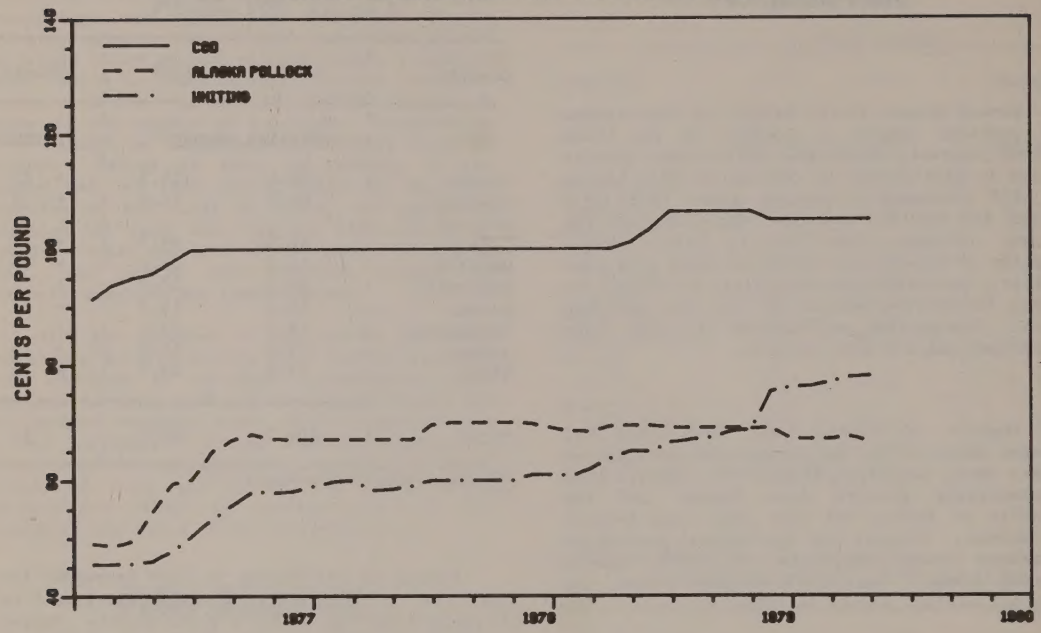
1/ Less than 0.5 percent.

Prices of cod blocks in 1979 increased for the first time in nearly 2 years, and rose 5 to 8 cents from the $1.00 a pound price. Prices weakened slightly in late 1979 and settled at $1.05 a pound (fig. 1). The second leading species, Alaska pollock, was unchanged from 1978, although Atlantic pollock advanced about 4 percent. The greatest increases were in prices of flounder and haddock blocks, as demand for fillets was stronger and price changes were necessary to compete. Demand for whiting blocks was strong even with a 12-percent increase in price.

Table 5.--Use of fish blocks, by species, 1978 and 1979
(Product weight)

Species	1978	1979	Change
	--Million pounds--		Percent
Cod	206.4	204.0	- 1
Flounder	12.4	12.2	- 2
Haddock	29.8	22.8	- 23
Pollock	76.9	89.5	+ 16
Whiting	38.6	51.5	+ 33
Minced	22.1	19.3	- 13
Other	23.5	19.1	- 19
Total	409.7	418.4	+ 2

Figure 1.--WHOLESALE PRICES OF FROZEN BLOCKS OF COD, ALASKA POLLOCK, AND WHITING, MONTHLY, 1977-80



GROUNDFISH FILLETS

Consumption of major groundfish fillets improved slightly in 1979--up 1 percent above 1978 (table 6). Landings of groundfish at major New England ports were 6 percent above 1978 as cod and flounder landings each increased 14 percent. Imports increased slightly--larger shipments of cod, haddock, and ocean perch were mostly offset by a substantial decline in imports of turbot. Imports of groundfish fillets from the United States leading suppliers, Canada and Iceland, increased; while the next three suppliers, Japan, Denmark, and Norway, reduced shipments substantially (table 7).

Table 6.--Supply and use of groundfish fillets, 1978 and 1979

(Fillet weight)

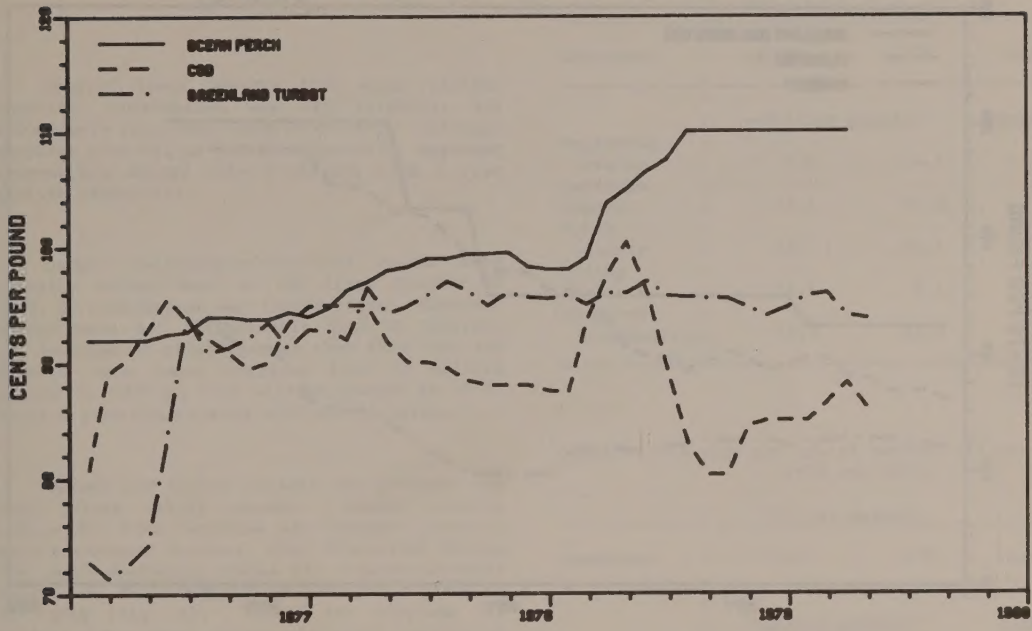
Component	1978	1979	Change
	--Million pounds--		Percent
Beginning stocks	66.2	68.0	+ 3
Landings	88.5	93.8	+ 6
Imports	327.4	334.1	+ 2
Total supply	482.1	495.9	+ 3
Ending stocks	68.0	77.2	+ 14
Apparent consumption	414.0	418.7	+ 1

Note: Includes cod, flounder, haddock, ocean perch, pollock, and turbot.

Table 7.--Imports of groundfish fillets, by country of origin, 1978 and 1979

Country	1978	1979	Change
	--Million pounds--		Percent
Canada	151.8	162.8	+ 7
Iceland	89.2	109.1	+ 22
Japan	34.7	25.9	- 25
Denmark	18.6	13.2	- 29
Norway	19.5	12.1	- 38
Poland	2.3	3.2	+ 39
Other	11.3	7.8	- 31
Total	327.4	334.1	+ 2

Figure 2.--WHOLESALE PRICES OF FROZEN FILLETS OF COD, GREENLAND TURBOT, AND OCEAN PERCH, MONTHLY, 1977-80



Except for prices of certain cod fillets, prices in 1979 were all higher than in 1978. Prices for boneless European cod fillets, and flounder fillets were substantially higher, while prices for haddock and ocean perch fillets rose about 10 percent (figs. 2 and 3).

COD

The highest landings of cod in over 34 years and record imports contributed to record supplies and consumption (table 8). Prices were mixed. Wholesale prices of regular Canadian fillets were slightly lower, while prices of boneless fillets from Iceland, Norway, and Denmark were substantially higher than a year earlier. Supplies increased 4 percent as New England landings of cod were 14 percent ahead of 1978 and imports were 7 percent above a year earlier. Lower beginning-of-the-year stocks kept supplies from being higher.

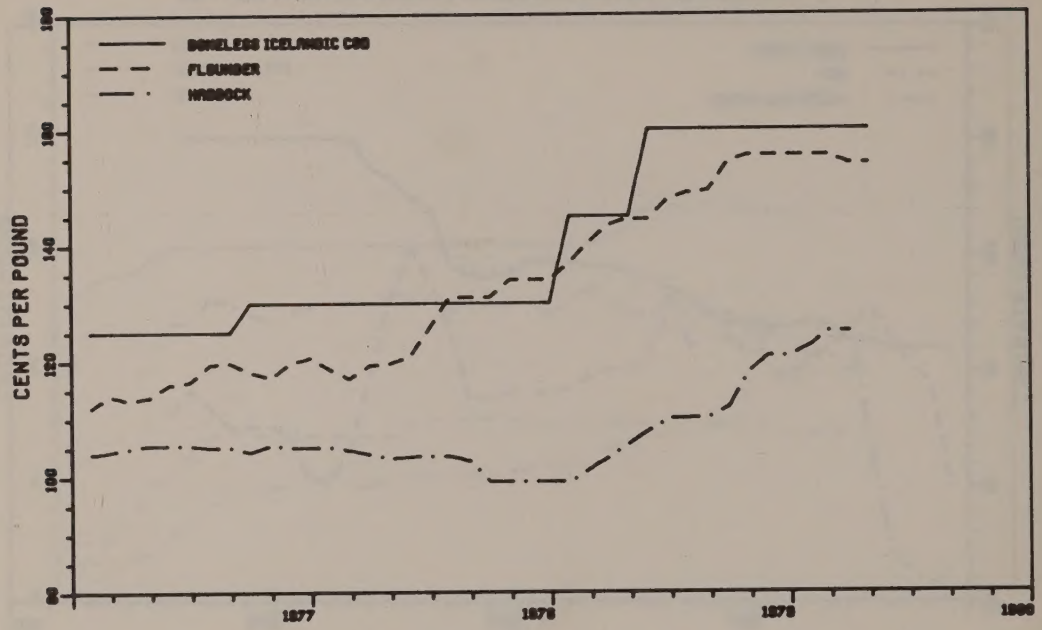
Imports of cod fillets in 1979 were a record 144.7 million pounds--up 7 percent from the previous high in 1978. Iceland supplied one-half of the imports, or 73.2 million pounds, up from 67.3 million pounds in 1978. Canadian shipments were 50.8 milion pounds--29 percent greater than in 1978.

Table 8.--Supply and use of cod fillets, 1978 and 1979
(Fillet weight)

Component	1978	1979	Change
	--Million pounds--		Percent
Beginning stocks	27.2	21.7	- 20
Landings	28.0	32.0	+ 14
Imports	135.0	144.7	+ 7
Total supply	190.2	198.4	+ 4
Ending stocks	21.7	24.0	+ 11
Apparent consumption	168.5	174.4	+ 4

Demand for premium cuts was good all during the year, and prices strengthened. Prices for boneless cod fillets from Iceland were raised at the start of 1979 to $1.45 a pound from $1.30 in 1978 (fig. 3). Even another 15 cents a pound increase in May did not deter demand. Prices for regular Canadian fillets weakened after Lent, and hit a low in late summer of 80 cents a pound--down 20 cents from April (fig. 2).

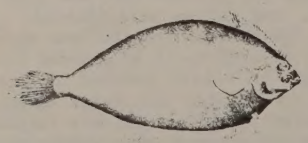
Figure 3.--WHOLESALE PRICES OF FROZEN FILLETS OF COD (ICELANDIC), FLOUNDER, AND HADDOCK, MONTHLY, 1977-80



FLOUNDER

Total supplies of flounder in 1979 were slightly higher than in 1978, but apparent consumption was off 3 percent to 69 million pounds (table 9). Demand was fairly strong; wholesale prices were high--up 17 percent.

Higher landings of flounder in major New England ports, primarily yellowtail flounder, offset the 3-million-pound decline in imports. Yellowtail landings in New England ports were up 44 percent, and contributed to lower prices at the fisherman level. Although total imports were off 6 percent, shipments from Canada, the leading importer to the United States, were unchanged from 1978. About a million-pound drop each for Denmark, Japan, and the Netherlands accounted for the decline.



Wholesale prices of 5-pound Canadian fillets rose steadily during the first 9 months of 1979, and averaged $1.48 for the year--up 17 percent from 1978 (fig. 3).

Table 9.--Supply and use of flounder fillets, 1978 and 1979

(Fillet weight)

Component	1978	1979	Change
	--Million pounds--		Percent
Beginning stocks	9.0	9.7	+ 8
Landings	22.7	25.9	+ 14
Imports	49.2	46.2	- 6
Total supply	80.9	81.8	+ 1
Ending stocks	9.7	12.7	+ 31
Apparent consumption	71.2	69.0	- 3

TURBOT

Sharply lower imports from Japan limited supplies, consumption was off slightly, and prices were relatively stable in 1979. Although supplies were off 11 percent from 1978, apparent consumption dipped only 2 percent from a year earlier (table 10).

Larger beginning-of-the-year stocks were steadily worked down in the first quarter of 1979, as consumption was fairly brisk. However, prices were not sufficiently high to interest the Japanese in shipping more than they did, and imports from Japan declined from 28 million pounds in 1978 to 17.6 million pounds in 1979. Imports from Canada were also off (4 percent).

Demand for turbot fillets was moderate and kept prices fairly steady. Annual average prices for both Canadian and Japanese products were unchanged; however, they fluctuated during the year. Wholesale prices for 5-pound Canadian fillets in 1979 ranged from 94 cents a pound to 97 cents (fig. 2). Prices for 25-pound IQF fillets from Japan during the first quarter of 1979 increased 7 cents to $1.03 a pound, but prices softened in the fourth quarter to $1.00 a pound.

Table 10.--Supply and use of turbot fillets, 1978 and 1979

(Fillet weight)

Component	1978	1979	Change
	--Million pounds--		Precent
Beginning stocks	9.9	14.1	+ 42
Landings	-	-	-
Imports	45.1	35.0	- 22
Total supply	55.0	49.1	- 11
Ending stocks	14.1	9.1	- 35
Apparent consumption	40.9	40.0	- 2

Table 11.--Supply and use of haddock fillets, 1978 and 1979

(Fillet weight)

Component	1978	1979	Change
	--Million pounds--		Percent
Beginning stocks	7.7	6.3	- 18
Landings	14.6	15.2	+ 4
Imports	29.1	31.7	+ 9
Total supply	51.4	53.2	+ 4
Ending stocks	6.3	4.4	- 30
Apparent consumption	45.1	48.9	+ 8

HADDOCK

Demand for haddock fillets was strong in 1979 with consumption increasing 8 percent above a year earlier (table 11). Improved landings in New England and a 9-percent gain in imports contributed to a 4-percent increase in the total supply.

Estimated imports of haddock fillets were 2.6 million pounds more than in 1978. Increased shipments from Iceland and Canada more than offset the decline in imports from Denmark and the United Kingdom.

Although supplies and consumption were up, sales could have been higher if greater supplies had been available. Wholesale prices of 5-pound Canadian fillets increased from 99 cents a pound in January 1979 to $1.20 a pound in December; however, the annual average price for 1979 was only 10 percent above 1978 (fig. 3). By contrast, the price in 1978 was 3 percent below the price in 1977.

OCEAN PERCH

Sales of ocean perch fillets slumped in 1979, even though supplies were 10 percent greater than in 1978 (table 12). Imports in 1979 were 11 percent above a year earlier, based primarily on a substantial increase from Iceland (up 185 percent). Shipments of the leading supplier, Canada, fell 2 million pounds to 40.2 million pounds.

Even with the larger supplies, demand was moderate and wholesale prices for ocean perch fillets advanced. Prices steadily rose in the first half of 1979, then remained at $1.10 a pound in the second half (fig. 2). Rising imports were not matched with comparable sales, and stocks increased. Although there were some sales made below $1.10, many firms were still holding at that price.

Table 12.--Supply and use of ocean perch fillets, 1978 and 1979

(Fillet weight)

Component	1978	1979	Change
	--Million pounds--		Percent
Beginning stocks	9.5	11.5	+ 21
Landings	10.8	10.3	- 5
Imports	47.6	52.8	+ 11
Total supply	67.8	74.6	+ 10
Ending stocks	11.5	19.4	+ 69
Apparent consumption	56.3	55.2	- 2

SALMON

Landings of salmon increased by one-third in 1979 from the previous year. The pack and supply of canned salmon recorded a moderate decline as a strong initial market for fresh and frozen salmon diverted supplies from the canners. However, demand for fresh and frozen salmon softened, because of the larger supplies and consumer resistance to the higher prices. The Japanese market was also affected by the worsening yen-to-dollar ratio and an excellent harvest of chum salmon. This led to a large increase in frozen stocks of salmon both in the United States and Japan, the leading buyer of salmon.

Salmon landings in 1979 increased 33 percent over 1978, and 84 percent over the 1974-78 average (table 13). Catches of red salmon were nearly double the previous year, while landings of chinook, pink, and silver also increased. The one exception, chum salmon, declined 9 percent from a year earlier. Except for chum salmon, average exvessel values were substantially higher (13 to 30 percent).

Table 13.--Landings of salmon, by species, 1974-78 average, 1978 and 1979

Species	Average 1974-78	1978	1979
	- - - -Thousand pounds- - - -		
Chinook	30,125	29,776	33,008
Chum	48,029	50,485	45,784
Pink	104,257	194,873	226,830
Red	74,679	98,707	190,727
Silver	33,647	30,648	39,767
Total	290,737	404,489	536,116

Although landings increased, the pack of canned salmon in 1979, an estimated 3.1 million standard cases, was 9 percent below 1978 (table 14). The pack was still 3 percent greater than the 1968-72 average, a more representative period than a more recent 5-year average. There was a 61-percent drop in the pack of chum salmon, which has been hampered by lower catches. The pack of pink salmon was off slightly. Production of canned red salmon was unchanged, and could have been greater except for large amounts that were delivered to the fresh and frozen market.

Table 14.--Production of canned salmon, by species, 1968-72 average, 1978 and 1979

Species	Average 1968-72	1978	1979
	- -Thousand standard cases- -		
Chinook	63	19	12
Chum	511	368	144
Pink	1,260	1,957	1,919
Red	1,085	1,041	1,040
Silver	132	37	33
Total	3,053	3,422	3,148

While the pack and supply of canned salmon were lower, total sales increased moderately. Foreign sales advanced 56 percent to 50.7 million pounds. Shipments to all major countries were substantially higher, including an 86-percent increase to the leading buyer, the United Kingdom, and a 69-percent increase to Canada (table 15). Domestic sales of canned salmon declined 7 percent.

Table 15.--Exports of canned salmon, by country of destination, 1978 and 1979

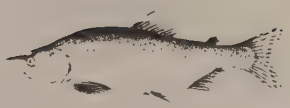
Country	1978	1979
	--Thousand pounds--	
United Kingdom	9,840	18,296
Canada	6,015	10,189
Australia	5,231	6,698
Netherlands	4,998	5,720
Japan	1,505	3,078
Belgium and Luxembourg	1,954	3,360
France	882	615
Other	2,088	2,763
Total	32,513	50,719

Source: U.S. Department of Commerce, Bureau of the Census.

Table 16.--Exports of fresh and frozen salmon, whole or eviscerated, by country of destination, 1978 and 1979

Country	1978	1979
	--Thousand pounds--	
Japan	87,679	93,458
France	12,030	17,123
United Kingdom	5,950	6,497
Sweden	4,130	5,972
Canada	3,653	6,445
Belgium and Luxembourg	1,638	2,747
Fed. Rep. of Germany	2,114	2,700
Other	4,986	5,218
Total	122,180	140,160

Source: U.S. Department of Commerce, Bureau of Census.



By comparison, the market for fresh and frozen salmon was extremely volatile in 1979. Although foreign sales were a record, up 15 percent, the average value was 2 percent lower (table 16). Considering that processors paid an average 22 percent more for the raw fish, their profit margins were squeezed to a point that many processors were claiming severe losses. When sales slowed, processors were forced to lower prices to increase sales. Even with record salmon exports, freezers were jammed with salmon. On December 31, 1979, holdings were 37 million pounds, 46 percent above a year earlier. By March 31, 1980, stocks were reduced to 20 million pounds, in part because of heavy promotion by the industry and by State and Federal agencies.

After being fairly steady for 3-1/2 years, retail prices for canned pink salmon advanced in the fall of 1979. Although pink salmon prices on an annual average basis ($2.05 a pound) only increased 1.5 percent, the price in December 1979 ($2.18 a pound) was 7 percent higher than in December 1978. Retail prices for canned red salmon steadily increased from $2.91 a pound in January 1979 to $3.14 in December.

Meanwhile, wholesale prices for canned salmon also steadily increased during 1979, and were about 7 to 9 percent above prices in 1978. The increase was caused by the lower pack and the strong foreign demand. Prices for red salmon (48 1-pound talls) in the first quarter of 1979 averaged $94 a case and rose steadily to about $108 by December. Prices of pinks were $14 a case higher at $78, and chums increased nearly $12 to $70 a case by the end of the year.

TUNA

Receipts of domestic-caught tuna in 1979 were down 14 percent from 1978, because of substantially lower catches of albacore and skipjack tuna (table 17). With imports also lower, the pack of tuna was off 12 percent from a year earlier. Demand for canned tuna softened during the year; and although prices rose, the increases were moderate. Preliminary data indicate that consumption was virtually unchanged.

Receipts of domestic-caught tuna and bonito were 246,644 short tons, 14 percent below a year earlier. Receipts of albacore declined 59 percent from 1978. Lower catches of albacore can be attributed partly to the reluctance of fishermen to search for fish because of higher fuel costs and also to spotty fishing because of adverse weather. Receipts of skipjack were 26 percent lower, while receipts of yellowfin increased 3 percent above 1978.

Imports of raw tuna were down 7 percent from a year earlier (table 18). They amounted to 632 million pounds, down from 676 million pounds in 1978. Albacore imports were 13 percent higher and offset the decline in landings. Imports of skipjack and yellowfin were each about 12 percent lower than the previous year. Japan was the major supplier of raw tuna with 18 percent of the total, but its share declined from 25 percent in 1978. The Republic of Korea was second with 10 percent, followed by the Philippines and Panama.

With receipts of domestic-caught tuna and imports lower, there was a 12-percent decline in the pack of canned tuna. The pack of 31.4 million cases was well below last year's record pack of 35.6 million cases. The drop stemmed from a slight decline in demand for canned tuna, and probably from an effort to reduce inventories. Overall, wholesale prices of canned tuna were 5 to 9 percent higher from the previous year before promotional allowances, which ran $5 to $7.50 a case for a greater part of the year. Prices for advertised brands of chunk light tuna rose 9 percent to an annual average of $37.92 a case of 48, while prices of private labels increased only 5 percent. For albacore or white meat tuna, prices increased in a similar fashion.

Table 17.--Receipts of domestic-caught tuna and bonito by U.S. canners including America Samoa and Puerto Rico, by species, 1978 and 1979

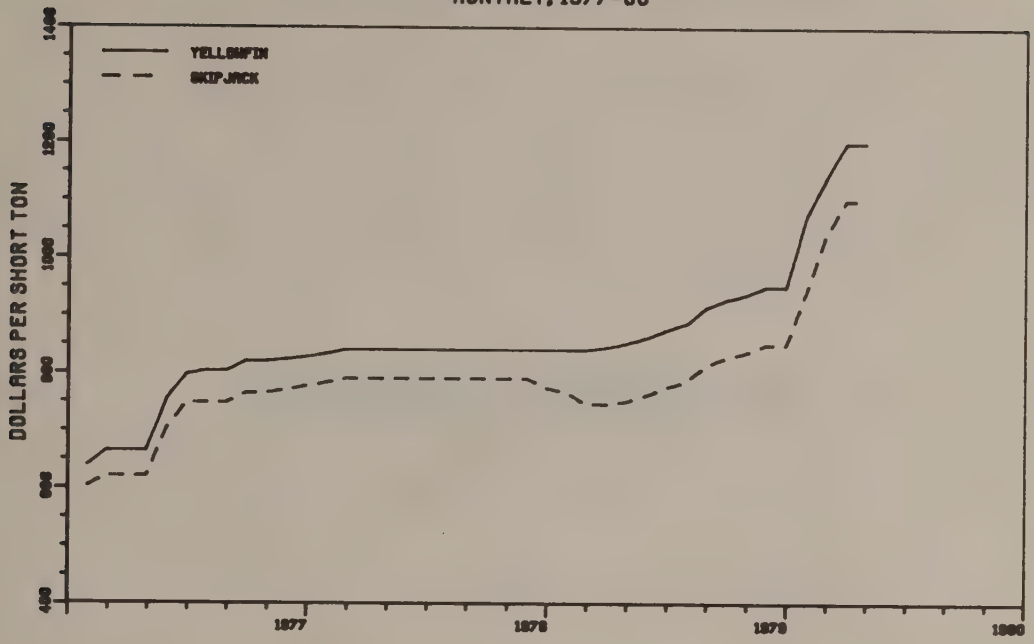
Species	1978	1979	Change
	- - -Short tons- - -		Percent
Albacore	16,691	6,913	- 59
Bluefin	4,802	6,123	+ 28
Skipjack	126,346	94,007	- 26
Yellowfin	133,840	137,791	+ 3
Bonito	3,457	1,810	- 48
Total	285,136	246,644	- 14

Table 18.--Imports of raw and canned tuna, by type and species, 1978 and 1979

Type and species	1978	1979	Change
	-Million pounds-		Percent
Raw tuna			
Albacore	159	179	+ 13
Skipjack	368	325	- 12
Yellowfin	137	119	- 13
Not specified	12	9	- 25
Total raw	676	632	- 7
Canned tuna			
In oil	1/	1	-
In brine	52	53	+ 2
Total canned	52	54	+ 4

1/ Less than 500,000 pounds.

EXVESSEL PRICES OF YELLOWFIN AND SKIPJACK TUNA,
MONTHLY, 1977-80



STATISTICAL APPENDIX

Table A 1.--Supply and use of fish sticks and portions, 1960-79

(Product weight)

Year	Supply					Use		
	Beginning stocks	Production			Imports	Total	Ending stocks	Apparent consumption	
		Sticks	Portions	Total				Total	Per capita
	Million pounds								Pounds
1960	6.9	65.1	49.4	114.5	0.2	121.6	9.1	112.5	0.625
1961	9.1	69.8	59.8	129.6	0.5	139.2	10.5	128.7	.703
1962	10.5	77.2	78.7	150.9	0.3	161.7	11.5	150.1	.807
1963	11.6	79.3	94.6	179.3	0.4	185.9	13.6	172.1	.912
1964	13.6	73.6	106.3	179.9	0.2	193.7	8.1	185.6	.969
1965	8.1	82.5	140.4	222.9	0.3	231.3	20.2	211.1	1.091
1966	20.2	81.4	147.6	229.0	0.4	249.6	19.5	230.1	1.176
1967	19.5	73.9	161.3	235.2	0.4	255.1	14.0	241.1	1.222
1968	14.0	91.7	182.8	274.5	0.9	289.4	24.0	265.4	1.328
1969	24.0	113.4	217.0	330.4	1.6	356.0	25.4	330.0	1.637
1970	25.4	115.9	234.3	350.2	1.2	376.8	22.0	354.8	1.746
1971	22.0	97.8	239.7	337.5	1.2	360.7	23.2	337.5	1.637
1972	23.2	114.5	269.2	383.7	1.4	408.3	34.4	373.9	1.784
1973	34.4	127.2	298.4	425.6	1.7	461.7	41.5	420.2	2.002
1974	41.5	103.1	276.2	379.3	1.5	422.3	33.3	389.0	1.840
1975	33.3	91.1	295.6	386.7	0.4	420.4	35.3	385.1	1.808
1976	35.3	93.4	340.1	433.5	0.6	469.4	31.0	438.4	2.042
1977	31.0	87.2	355.4	442.7	0.6	474.3	30.5	443.8	2.051
1978	30.5	94.7	389.4	484.1	1.4	516.0	37.1	478.8	2.194
1979 1/	37.1	91.9	390.4	482.2	2.4	521.8	41.7	480.1	2.181

1/ Preliminary.

TABLE A 2.—SUPPLY AND USE OF FISH STICKS AND PORTIONS, MONTHLY, 1978-80
(PRODUCT WEIGHT)

	SUPPLY						USE	
		PRODUCTION						
	BEGINNING STOCKS	STICKS	PORTIONS	TOTAL	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS							
1978								
JANUARY	30.5	8.0	29.0	37.1	(1)	67.6	29.0	38.5
FEBRUARY	29.0	8.7	29.7	38.4	0.1	67.5	26.2	41.3
MARCH	26.2	10.6	41.1	51.6	0.3	78.1	28.2	49.9
1ST QTR	30.5	27.3	99.8	127.1	0.3	157.9	28.2	129.7
APRIL	28.2	8.8	34.6	43.3	0.2	71.7	31.9	39.8
MAY	31.9	6.4	33.6	40.0	0.1	72.0	32.0	40.0
JUNE	32.0	8.1	33.6	41.6	0.2	73.8	34.3	39.5
2ND QTR	28.2	23.2	101.8	125.0	0.5	153.7	34.3	119.3
JULY	34.3	5.2	22.3	27.5	0.1	61.9	32.6	29.2
AUGUST	32.6	8.3	35.4	43.6	0.1	76.3	33.9	42.3
SEPTEMBER	33.9	8.5	34.6	43.2	0.1	77.2	32.6	44.5
3RD QTR	34.3	22.0	92.3	114.2	0.2	148.7	32.6	116.1
OCTOBER	32.6	6.2	35.5	41.8	0.3	74.7	34.3	40.3
NOVEMBER	34.3	7.6	32.0	39.6	0.1	74.0	36.1	37.9
DECEMBER	36.1	8.3	28.1	36.4	(1)	72.6	37.1	35.4
4TH QTR	32.6	22.1	95.6	117.8	0.4	150.8	37.1	113.6
YEAR	30.5	94.7	389.4	484.1	1.4	516.0	37.1	478.8
1979								
JANUARY	37.1	7.9	34.6	42.4	0.2	79.8	36.7	43.1
FEBRUARY	36.7	9.2	33.1	42.3	0.3	79.2	34.0	45.2
MARCH	34.0	11.2	42.6	53.9	0.3	88.2	29.7	58.5
1ST QTR	37.1	28.3	110.3	138.6	0.8	176.5	29.7	146.8
APRIL	29.7	9.0	34.2	43.2	0.4	73.3	33.5	39.8
MAY	33.5	5.0	35.2	40.1	0.3	73.9	38.9	35.0
JUNE	38.9	6.9	29.9	36.8	0.2	75.9	41.3	34.6
2ND QTR	29.7	20.9	99.2	120.1	0.9	150.7	41.3	109.4
JULY	41.3	5.1	22.5	27.6	0.3	69.2	37.3	31.9
AUGUST	37.3	7.6	33.0	40.6	0.1	78.0	36.6	41.4
SEPTEMBER	36.6	8.7	34.4	43.1	0.1	79.9	37.7	42.1
3RD QTR	41.3	21.5	89.9	111.4	0.5	153.1	37.7	115.4
OCTOBER	37.7	6.1	35.3	41.4	0.1	79.2	39.4	39.8
NOVEMBER	39.4	7.7	29.4	37.1	0.1	76.6	40.9	35.7
DECEMBER	40.9	7.4	26.4	33.8	0.1	74.7	41.7	33.0
4TH QTR	37.7	21.2	91.0	112.2	0.2	150.2	41.7	108.5
YEAR	37.1	91.9	390.4	482.2	2.4	521.8	41.7	480.1
1980								
JANUARY	41.7	8.0	33.3	41.3	0.1	83.1	40.1	43.0
FEBRUARY	40.1	9.3	36.8	46.2	0.1	86.4	36.1	50.3
MARCH	36.1	10.0	37.7	47.7	0.2	84.0	36.8	47.2
1ST QTR	41.7	27.3	107.9	135.2	0.4	177.3	36.8	140.5
APRIL								
MAY								
JUNE								
2ND QTR								
JULY								
AUGUST								
SEPTEMBER								
3RD QTR								
OCTOBER								
NOVEMBER								
DECEMBER								
4TH QTR								
YEAR								

(1) LESS THAN 50,000 POUNDS.

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
PRODUCTION: FISH STICKS, FISH PORTIONS, AND BREADED SHRIMP, NATIONAL MARINE FISHERIES SERVICE.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

TABLE A 3.--WHOLESALE PRICES FOR FISH STICKS AND PORTIONS, MONTHLY, 1978-80

	STICKS, COOKED BREADED				PORTIONS, RAW BREADED			
	COD	HADDOCK	POLLOCK	WHITING	COD	HADDOCK	POLLOCK	WHITING
	CENTS PER POUND							
1978								
JANUARY	117.0	117.0	82.5	74.0	115.5	118.0	80.0	71.0
FEBRUARY	117.0	117.0	82.5	74.0	115.5	118.0	80.0	71.0
MARCH	116.5	116.5	84.0	76.0	111.5	116.0	84.5	76.5
APRIL	116.5	116.5	84.0	76.0	111.5	116.0	84.5	76.5
MAY	116.5	116.5	84.0	76.0	111.5	116.0	84.5	76.5
JUNE	116.5	116.5	84.0	76.0	111.5	116.0	84.5	76.5
JULY	116.5	116.5	84.0	76.0	111.5	116.0	84.5	76.5
AUGUST	116.5	116.5	84.0	76.0	111.5	116.0	84.5	76.5
SEPTEMBER	116.5	116.5	84.0	76.0	111.5	116.0	84.5	76.5
OCTOBER	116.6	117.4	86.1	77.4	112.8	116.1	83.4	76.8
NOVEMBER	117.0	120.0	92.5	81.5	116.5	116.5	81.5	77.5
DECEMBER	117.0	120.0	92.5	81.5	116.5	116.5	81.5	77.5
AVERAGE	116.7	117.2	85.3	76.7	113.1	116.4	83.2	75.8
1979								
JANUARY	117.0	120.0	92.5	81.5	116.5	116.5	81.5	77.5
FEBRUARY	117.0	120.0	92.5	81.5	116.5	116.5	81.5	77.5
MARCH	117.0	120.0	92.5	81.5	116.5	116.5	81.5	77.5
APRIL	117.0	120.0	92.5	81.5	116.5	116.5	81.5	77.5
MAY	120.2	126.0	90.5	87.3	118.5	119.7	88.3	83.1
JUNE	121.0	127.5	90.0	90.0	119.0	120.5	90.0	84.5
JULY	122.0	127.5	90.0	90.0	119.0	120.5	90.0	84.5
AUGUST	122.0	127.5	90.0	90.0	119.0	120.5	90.0	84.5
SEPTEMBER	122.0	127.5	90.0	90.0	119.0	123.0	90.0	84.5
OCTOBER	122.0	127.5	90.0	90.0	119.0	130.5	90.0	86.5
NOVEMBER	124.0	137.0	100.5	(1)	122.0	134.0	91.5	89.5
DECEMBER	124.0	137.0	100.5	(1)	122.0	137.4	91.5	89.5
AVERAGE	120.4	126.5	92.6	86.3	118.6	122.7	87.3	83.1
1980								
JANUARY	124.0	136.9	99.5	99.5	121.8	138.4	91.6	90.5
FEBRUARY	126.0	136.5	95.5	99.5	122.5	138.0	92.0	94.5
MARCH	126.3	138.3	97.5	101.8	121.6	139.1	92.6	95.5
APRIL	127.0	143.5	102.5	108.5	119.0	142.0	92.5	97.0
MAY								
JUNE								
JULY								
AUGUST								
SEPTEMBER								
OCTOBER								
NOVEMBER								
DECEMBER								
AVERAGE								

(1) INSUFFICIENT QUOTES.

NOTE: PRICES TO PRIMARY WHOLESALERS AS QUOTED BY PRODUCERS AT BOSTON, GLOUCESTER, AND NEW BEDFORD.
SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- NATIONAL MARINE FISHERIES SERVICE.

Table A 4.--Supply and use of frozen fish blocks, 1960-79
(Product weight)

Year	Supply				Use	
	Beginning stocks	U.S. freezings	Imports	Total	Ending stocks	Disappearance
	Million pounds					
1960	23.2	0.8	98.7	113.7	24.8	88.9
1961	24.8	1.2	118.6	144.6	17.7	126.9
1962	17.7	1.6	143.5	162.8	24.3	138.5
1963	24.3	2.0	153.3	179.6	25.8	153.8
1964	25.8	2.0	166.2	194.0	20.0	174.0
1965	20.0	2.9	214.8	237.7	37.4	200.3
1966	37.4	6.0	206.5	249.9	35.2	214.7
1967	35.2	6.2	189.5	230.9	32.3	198.6
1968	32.3	3.6	261.1	297.0	44.4	252.6
1969	44.4	2.0	266.7	313.0	43.0	270.0
1970	43.0	4.4	272.7	320.1	30.6	298.5
1971	30.6	6.5	311.2	348.3	62.7	285.6
1972	62.7	3.1	355.5	421.3	75.8	343.5
1973	75.8	6.1	358.7	440.6	80.6	360.0
1974	80.6	2.4	266.1	349.1	75.7	273.4
1975	75.7	2.2	313.5	391.4	79.0	312.4
1976	79.0	2.7	378.7	460.4	61.1	399.3
1977	61.1	4.6	385.1	450.8	73.2	377.6
1978	73.2	2.1	406.3	481.6	71.9	409.7
1979 1/	71.9	0.8	408.2	480.9	62.5	418.4

1/ Preliminary.

TABLE A 5.--SUPPLY AND USE OF FROZEN FISH BLOCKS, MONTHLY, 1978-80
(PRODUCT WEIGHT)

MONTH	SUPPLY				USE	
	BEGINNING STOCKS	PRODUCTION	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS					
1978						
JANUARY	73.2	0.1	17.0	90.3	53.4	37.0
FEBRUARY	53.4	0.2	31.5	85.0	51.3	33.8
MARCH	51.3	0.3	35.0	86.5	43.8	42.7
1ST QTR	73.2	0.6	83.5	157.3	43.8	113.4
APRIL	43.8	0.5	32.9	77.3	38.5	38.8
MAY	38.5	0.2	38.9	77.6	47.6	30.0
JUNE	47.6	0.2	36.1	83.9	52.6	31.3
2ND QTR	43.8	0.9	108.0	152.7	52.6	100.1
JULY	52.6	0.1	41.6	94.2	64.1	30.1
AUGUST	64.1	0.1	49.7	113.9	82.4	31.5
SEPTEMBER	82.4	0.2	44.6	127.2	88.6	38.5
3RD QTR	52.6	0.3	135.8	188.8	88.6	100.2
OCTOBER	88.6	0.1	27.7	116.5	86.2	30.2
NOVEMBER	86.2	0.1	24.9	111.2	78.3	32.9
DECEMBER	78.3	0.1	26.3	104.7	71.9	32.8
4TH QTR	88.6	0.4	78.9	167.9	71.9	96.0
YEAR	73.2	2.1	406.3	481.6	71.9	409.7
1979						
JANUARY	71.9	(1)	25.7	97.6	59.2	38.4
FEBRUARY	59.2	(1)	32.5	91.7	56.7	35.0
MARCH	56.7	0.1	26.9	83.7	41.8	41.9
1ST QTR	71.9	0.2	85.0	157.1	41.8	115.3
APRIL	41.8	0.1	31.7	73.5	40.3	33.2
MAY	40.3	(1)	38.1	78.4	42.1	36.3
JUNE	42.1	0.1	38.3	80.6	46.7	33.8
2ND QTR	41.8	0.3	108.1	150.1	46.7	103.4
JULY	46.7	0.1	36.9	83.7	61.2	22.5
AUGUST	61.2	0.1	46.9	108.2	74.0	34.2
SEPTEMBER	74.0	0.1	40.8	114.9	68.3	46.6
3RD QTR	46.7	0.3	124.5	171.6	68.3	103.3
OCTOBER	68.3	(1)	29.7	98.0	69.0	29.0
NOVEMBER	69.0	(1)	30.5	99.6	59.4	40.2
DECEMBER	59.4	(1)	30.4	89.8	62.5	27.3
4TH QTR	68.3	0.1	90.6	158.9	62.5	96.4
YEAR	71.9	0.8	408.2	480.9	62.5	418.4
1980						
JANUARY	62.5	0.1	26.2	88.7	53.9	34.8
FEBRUARY	53.9	0.1	19.9	74.0	44.3	29.6
MARCH	44.3	0.1	39.7	84.1	42.9	41.3
1ST QTR	62.5	0.3	85.8	148.6	42.9	105.7
APRIL						
MAY						
JUNE						
2ND QTR						
JULY						
AUGUST						
SEPTEMBER						
3RD QTR						
OCTOBER						
NOVEMBER						
DECEMBER						
4TH QTR						
YEAR						

(1) LESS THAN 50,000 POUNDS.

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
PRODUCTION: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

TABLE A 6.--WHOLESALE PRICES FOR FROZEN FISH BLOCKS, MONTHLY, 1978-80

	COD	MINCED COD	FLOUNDER	HADDOCK	POLLOCK	ALASKA POLLOCK	WHITING
	CENTS PER POUND						
1978							
JANUARY	100.0	32.0	94.0	104.0	67.0	67.0	59.8
FEBRUARY	100.0	32.0	94.0	104.0	67.0	67.0	60.0
MARCH	100.0	32.0	94.6	104.0	67.0	67.0	58.2
APRIL	100.0	34.3	95.5	104.0	67.3	67.0	58.4
MAY	100.0	36.5	97.3	104.0	68.3	67.0	59.0
JUNE	100.0	40.5	99.9	104.0	69.9	69.6	60.0
JULY	100.0	40.5	102.9	104.0	70.0	70.0	60.0
AUGUST	100.0	40.9	104.2	104.2	71.6	70.0	60.0
SEPTEMBER	100.0	41.0	105.0	105.8	73.5	70.0	60.0
OCTOBER	100.0	41.0	105.0	106.0	74.6	70.0	60.0
NOVEMBER	100.0	41.0	105.0	106.0	74.2	69.8	61.0
DECEMBER	100.0	41.0	105.0	106.0	71.1	69.0	61.0
AVERAGE	100.0	37.7	100.2	104.7	70.1	68.6	59.8
1979							
JANUARY	100.0	41.3	106.0	106.8	71.9	68.4	60.8
FEBRUARY	100.0	44.0	110.0	107.4	72.5	68.3	62.0
MARCH	100.0	46.8	111.3	109.3	73.0	69.3	63.8
APRIL	101.1	48.0	115.0	110.0	73.0	69.5	65.0
MAY	103.5	49.4	115.5	112.3	73.4	69.5	65.0
JUNE	106.5	51.9	119.4	115.0	74.0	69.0	66.6
JULY	106.5	52.5	126.7	115.0	73.5	69.0	67.0
AUGUST	106.5	53.5	130.0	115.0	73.0	69.0	67.4
SEPTEMBER	106.5	54.6	130.0	116.2	73.8	69.0	68.4
OCTOBER	106.5	54.8	135.0	122.5	73.4	68.9	68.8
NOVEMBER	105.0	54.0	140.0	123.8	72.3	69.0	75.3
DECEMBER	105.0	54.0	140.0	124.5	70.2	67.0	76.0
AVERAGE	103.9	50.4	123.2	114.8	72.8	68.8	67.2
1980							
JANUARY	105.0	54.0	140.0	125.0	69.8	67.0	76.2
FEBRUARY	105.0	53.0	137.5	125.0	69.0	67.0	77.0
MARCH	105.0	53.7	137.5	130.6	69.0	67.5	77.7
APRIL	105.0	54.0	137.5	131.9	69.0	66.5	78.0
MAY							
JUNE							
JULY							
AUGUST							
SEPTEMBER							
OCTOBER							
NOVEMBER							
DECEMBER							
AVERAGE							

NOTE: PRICES TO PROCESSORS AS QUOTED BY PRODUCERS, IMPORTERS, AND BROKERS AT BOSTON, GLOUCESTER, AND NEW BEDFORD.
SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- NATIONAL MARINE FISHERIES SERVICE.

Table A.7 --U.S. imports of blocks, by country of origin and species, annual, 1978-79

Country	Cod		Haddock		Pollock		Whiting		Other		Total	
	1978	1979	1978	1979	1978	1979	1978	1979	1978	1979	1978	1979
	Million pounds											
Canada	65.6	88.9	2.1	2.3	1.6	.8	1/	.1	32.3	32.2	101.6	124.3
Iceland	38.9	42.4	9.6	7.7	9.6	12.5	1/	.2	7.8	8.7	65.9	71.5
Rep. of Korea	.7	1.0	.8	-	43.9	57.7	4.5	5.6	2.6	1.4	52.5	65.7
Denmark	39.3	20.1	8.5	3.5	10.7	3.7	.2	.7	3.6	2.2	62.3	30.2
Argentina	.6	-	-	-	-	-	24.9	26.3	.6	.9	26.1	27.8
Norway	33.2	11.2	5.2	4.7	6.3	2.7	1/	-	1.0	1.1	45.7	19.7
Greenland	18.3	16.9	-	-	-	-	-	-	1.2	2.2	19.5	19.1
Japan	1.5	7.4	-	-	6.5	4.8	1.9	.8	3.3	3.3	13.2	16.3
Uruguay	-	-	-	-	-	-	3.5	11.9	.6	1.4	4.1	13.3
Rep. of South Africa	-	-	-	-	-	-	1.5	2.2	.4	.5	1.9	2.7
Other	6.6	5.1	.8	.1	2.7	4.4	3.3	6.5	.1	2.0	13.5	18.1
Total	204.7	193.0	27.0	18.3	81.3	86.6	39.8	54.3	53.5	56.0	406.3	408.2

1/ Less than 50,000 pounds.
Note: Figures may not add to total because of rounding.

Source: U.S. Department of Commerce, Bureau of the Census.

Table A 8.--U.S. imports of groundfish fillets, by country of origin and species, annual, 1978-79

Country	Cod		Flounder		Turbot		Cusk, haddock, hake and pollock		Ocean perch		Total	
	1978	1979	1978	1979	1978	1979	1978	1979	1978	1979	1978	1979
	Million pounds											
Canada	39.3	50.8	37.0	37.1	13.9	13.3	19.3	21.3	42.3	40.2	151.8	162.8
Iceland	67.3	73.2	.1	1/	.2	.9	17.6	23.8	3.9	11.1	89.3	109.1
Japan	2.0	3.6	4.5	3.3	28.1	17.6	-	1.4	.1	1/	34.7	25.9
Denmark	9.1	7.5	2.1	1.2	.2	1/	7.1	4.1	.1	.3	18.8	13.2
Norway	15.2	7.5	1/	-	.1	.1	4.0	4.2	.1	.3	19.4	12.1
Poland	1/	1/	1/	.9	1.6	2.2	.6	-	.1	1/	2.3	3.2
Netherlands	1/	-	3.4	1.4	1/	-	-	-	-	-	3.4	1.4
United Kingdom	.1	-	.6	.6	1/	1/	1.7	.1	.6	.5	3.1	1.2
Miquel	.9	.8	.2	.3	-	-	1/	1/	.2	.1	1.3	1.1
Rep. of Korea	.2	.3	-	-	.3	.5	1/	.3	-	-	.5	1.1
Other	.9	1.0	1.3	1.4	.7	.4	.2	.3	.2	.3	2.8	3.0
Total	135.0	144.7	49.2	46.2	45.1	35.0	50.5	55.5	47.6	52.8	327.4	334.1

1/ Less than 50,000 pounds.
Note: Figures may not add to total because of rounding.

Source: U.S. Department of Commerce, Bureau of the Census.

Table A9 .--Supply and use of fresh and frozen cod, 1960-79

(Fillet weight)

Year	Supply						Use		
	Beginning stocks	Landings			Imports	Total	Ending stocks	Apparent consumption	
		Atlantic	Pacific	Total				Total	Per capita
	Million pounds								Pounds
1960	14.4	13.1	1.6	14.7	29.6	58.7	7.8	50.9	0.283
1961	7.8	15.1	0.9	16.0	32.2	56.0	7.1	48.9	.268
1962	7.1	15.2	1.0	16.2	33.0	56.3	9.7	46.6	.250
1963	9.7	13.7	1.9	15.6	32.7	58.0	8.9	49.1	.260
1964	8.9	12.6	1.9	14.5	33.5	56.9	6.2	50.7	.265
1965	6.2	11.8	3.0	14.8	33.7	54.7	5.7	49.0	.253
1966	5.7	12.2	3.0	15.2	40.8	61.7	12.7	49.0	.250
1967	12.7	14.0	2.7	16.7	32.1	61.5	6.5	55.0	.278
1968	6.5	15.2	2.4	17.6	46.6	70.7	7.6	63.1	.317
1969	7.6	17.5	2.0	19.5	61.9	89.0	12.9	76.1	.377
1970	12.9	16.0	1.0	17.0	95.8	125.7	7.4	118.3	.578
1971	7.4	17.4	1.9	19.3	80.7	107.4	6.1	101.3	.490
1972	6.1	14.9	3.4	18.3	99.0	123.4	16.2	107.2	.511
1973	16.2	16.0	3.0	19.0	83.0	118.2	12.7	105.5	.503
1974	12.7	18.8	2.9	21.7	71.6	106.0	17.8	88.5	.417
1975	17.8	17.9	3.8	21.7	91.0	130.5	21.7	108.8	.500
1976	21.7	18.1	3.9	22.0	118.6	162.3	16.2	146.1	.681
1977	16.2	24.5	3.6	28.1	122.3	166.6	27.2	139.4	.644
1978	27.2	28.2	3.5	31.7	135.0	193.9	21.7	172.2	.789
1979 1/	21.7	32.3	4.0	36.3	144.7	202.7	24.0	178.7	.812

1/ Preliminary.

Note: Annual data differs from monthly because it includes landings from other areas that are not available monthly or not available on a timely basis.

TABLE A10.--SUPPLY AND USE OF FRESH AND FROZEN COD, MONTHLY, 1978-80
(FILLET WEIGHT)

MONTH	SUPPLY				USE	
	BEGINNING STOCKS	LANDINGS	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS					
1978						
JANUARY	27.2	1.9	5.4	34.5	22.0	12.5
FEBRUARY	22.0	2.5	10.5	35.0	21.2	13.8
MARCH	21.2	2.0	20.0	43.2	20.4	22.8
1ST QTR	27.2	6.4	35.9	69.5	20.4	49.1
APRIL	20.4	2.9	13.3	36.6	19.1	17.6
MAY	19.1	3.2	6.7	29.0	20.8	8.1
JUNE	20.8	3.9	10.4	35.1	23.7	11.4
2ND QTR	20.4	10.0	30.4	60.8	23.7	37.1
JULY	23.7	1.8	13.0	38.4	22.7	15.7
AUGUST	22.7	1.8	15.1	39.6	29.8	9.8
SEPTEMBER	29.8	2.0	18.5	50.2	29.1	21.1
3RD QTR	23.7	5.6	46.5	75.7	29.1	46.6
OCTOBER	29.1	2.9	9.2	41.2	27.5	13.7
NOVEMBER	27.5	2.0	4.3	33.8	23.1	10.7
DECEMBER	23.1	1.2	8.7	33.0	21.7	11.2
4TH QTR	29.1	6.1	22.2	57.4	21.7	35.6
YEAR	27.2	28.0	135.0	190.2	21.7	168.5
1979						
JANUARY	21.7	1.7	6.6	29.9	22.1	7.9
FEBRUARY	22.1	1.1	11.1	34.3	18.4	15.8
MARCH	18.4	2.4	15.2	36.0	16.5	19.5
1ST QTR	21.7	5.1	32.8	59.7	16.5	43.2
APRIL	16.5	2.9	16.0	35.4	19.8	15.7
MAY	19.8	3.9	18.7	42.3	19.6	22.8
JUNE	19.6	3.9	12.8	36.3	23.2	13.0
2ND QTR	16.5	10.7	47.5	74.7	23.2	51.4
JULY	23.2	2.8	14.9	40.9	26.8	14.1
AUGUST	26.8	3.0	8.2	38.0	31.2	6.9
SEPTEMBER	31.2	2.8	16.8	50.8	30.4	20.4
3RD QTR	23.2	8.6	40.0	71.8	30.4	41.4
OCTOBER	30.4	2.9	4.9	38.1	29.2	8.9
NOVEMBER	29.2	2.9	8.3	40.5	27.1	13.4
DECEMBER	27.1	1.8	11.1	40.0	24.0	16.0
4TH QTR	30.4	7.5	24.3	62.2	24.0	38.3
YEAR	21.7	32.0	144.7	198.4	24.0	174.4
1980						
JANUARY	24.0	2.2	12.4	38.5	25.2	13.3
FEBRUARY	25.2	2.9	7.5	35.6	20.4	15.2
MARCH	20.4	2.6	14.8	37.8	21.3	16.4
1ST QTR	24.0	7.6	34.7	66.3	21.3	44.9
APRIL						
MAY						
JUNE						
2ND QTR						
JULY						
AUGUST						
SEPTEMBER						
3RD QTR						
OCTOBER						
NOVEMBER						
DECEMBER						
4TH QTR						
YEAR						

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
LANDINGS: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS, NMFS. THIS IS THE SUM OF LANDINGS AT PRINCIPAL NEW ENGLAND PORTS ADJUSTED TO APPROXIMATE NEW ENGLAND LANDINGS.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

TABLE A11.--EXVESSEL, WHOLESALE, AND RETAIL PRICES OF COD, MONTHLY, 1976-80

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
						CENTS PER POUND							
EXVESSEL PRICE, AT MAJOR NEW ENGLAND PORTS (1)													
1976	37.6	36.5	36.3	30.3	19.7	19.0	21.7	23.4	25.7	31.0	30.3	26.2	26.8
1977	32.8	31.5	29.3	22.3	16.0	15.2	17.4	22.7	32.3	32.2	26.2	28.3	22.9
1978	30.1	23.4	35.6	21.1	17.6	16.8	27.1	27.5	29.5	24.0	27.9	43.3	25.1
1979	39.5	55.4	33.5	27.8	21.4	21.5	26.9	28.3	30.5	35.2	29.1	47.2	30.3
1980	45.6	34.4	37.5										
WHOLESALE PRICE, FROZEN FILLETS (CANADIAN, 5-LB. PACKAGE) (2)													
1976	74.6	75.0	72.0	70.0	70.0	70.9	71.1	70.0	70.0	70.5	71.3	75.4	71.7
1977	80.8	89.0	90.4	92.8	95.6	93.6	92.1	90.9	89.5	90.0	93.4	94.9	91.1
1978	95.0	95.0	95.0	91.8	90.0	90.0	89.5	88.4	88.0	88.0	88.0	87.5	90.5
1979	87.4	93.5	97.5	100.4	96.0	89.5	83.0	80.3	80.3	84.5	85.0	85.0	88.5
1980	85.0	86.5	88.2	86.0									
WHOLESALE PRICE, FROZEN FILLETS (ICELANDIC, 5-LB. BONELESS) (3)													
1976	110.0	110.0	114.8	110.9	111.0	112.0	110.0	110.0	110.0	110.0	110.0	116.0	111.2
1977	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	130.0	130.0	130.0	130.0	126.7
1978	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
1979	145.0	145.0	145.0	145.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	155.0
1980	160.0	160.0	160.0	160.0									
WHOLESALE PRICE, FRESH FILLETS, AT NEW YORK CITY (4)													
1976	176.3	177.5	178.0	162.5	145.0	146.0	155.0	163.1	159.0	168.1	164.4	200.6	166.3
1977	192.5	186.9	174.5	158.1	129.4	175.6	141.9	153.5	178.1	185.6	167.5	174.4	168.2
1978	192.5	167.5	183.0	161.9	145.0	143.8	178.8	183.0	180.6	168.8	182.0	243.8	177.5
1979	217.5	256.3	185.0	189.4	155.5	153.1	171.3	177.0	179.4	190.0	178.8	230.6	190.3
1980	230.0	206.9	223.8	177.0									
RETAIL PRICE, FROZEN FILLETS (5)													
1976	138.0	136.0	140.0	144.0	140.0	140.0	144.0	142.0	146.0	149.0	146.0	147.0	142.7
1977	149.0	148.0	150.0	162.0	164.0	165.0	167.0	172.0	179.0	182.0	174.0	174.0	165.5
1978	171.0	173.0	182.0	182.0	184.0	183.0	180.0	184.0	186.0	188.0	187.0	190.0	182.5
1979	186.0	193.0	194.0	193.0	195.0	203.0	195.0	202.0	198.0	203.0	211.0	207.0	198.3
1980	219.0	203.0	199.0	197.0									
RETAIL PRICE, FRESH FILLETS, AT NEW YORK CITY (6)													
1976	243.5	243.8	243.6	242.8	244.0	234.0	226.5	238.0	243.0	247.8	268.0	231.5	242.2
1977	251.8	251.0	253.0	269.1	246.5	246.0	237.8	238.0	263.5	262.8	257.0	257.8	252.8
1978	255.3	279.0	278.9	289.0	289.0	295.3	294.0	297.0	301.5	297.8	292.8	300.7	289.2
1979	295.0	325.3	330.3	329.0	296.5	296.5	292.8	292.8	292.8	305.0	304.0	300.7	305.0
1980	329.0	342.0	352.0	340.5									

(1) SOURCE: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS; ANNUAL AVERAGES ARE WEIGHTED.
(2) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(3) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(4) SOURCE: FISHERY MARKET NEWS REPORT, NEW YORK — RESOURCE STATISTICS DIVISION, NMFS; AVERAGE MONTHLY PRICE FOR DOMESTIC FILLETS AT NEW YORK CITY FULTON MARKET.
(5) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.
(6) SOURCE: RETAIL PRICE REPORT, NEW YORK MARKET INFORMATION SERVICE; AVERAGE MONTHLY PRICE FOR DOMESTIC FILLETS.

Table A12.--Supply and use of fresh and frozen flatfish, 1960-79
(Fillet weight)

Year	Supply				Use		
	Beginning stocks	U.S. landings	Imports	Total	Ending stocks	Apparent consumption	
						Total	Per capita
	Million pounds						Pounds
1960	5.7	43.3	18.7	67.7	7.5	60.2	0.335
1961	7.5	45.4	18.4	71.3	6.1	65.2	.356
1962	6.1	53.0	18.4	77.5	6.2	71.3	.383
1963	6.2	60.3	16.6	83.1	8.0	75.1	.398
1964	8.0	60.1	21.6	89.1	9.0	80.7	.422
1965	9.0	61.3	24.1	94.4	6.6	87.8	.453
1966	6.6	59.5	34.1	100.8	10.2	90.6	.463
1967	10.2	52.1	33.3	95.6	10.7	84.9	.426
1968	10.7	53.1	39.5	103.3	7.8	95.5	.429
1969	7.8	58.4	48.1	114.3	9.3	105.0	.520
1970	9.3	60.7	58.9	128.9	16.1	112.8	.551
1971	16.1	56.1	56.3	128.5	9.3	119.2	.577
1972	9.3	60.9	56.3	158.4	11.2	147.2	.703
1973	11.2	58.5	105.9	175.4	25.4	150.2	.719
1974	25.4	56.1	77.5	159.0	22.4	136.6	.647
1975	22.4	56.3	98.3	177.0	12.7	164.3	.769
1976	12.7	56.2	100.9	169.8	17.7	152.1	.709
1977	17.7	55.9	95.9	169.5	18.9	150.6	.696
1978	18.9	61.6	94.3	174.8	23.8	151.0	.692
1979 1/	23.8	71.4	81.2	176.4	21.8	154.6	.702

1/ Preliminary.

Note: Data reported is for both flounder and Greenland turbot. Prior to 1975 these two species were not separated and were reported as flatfish products. Annual data differs from monthly because it includes landings from other areas that are not available monthly or not available on a timely basis.

TABLE A13.--SUPPLY AND USE OF FRESH AND FROZEN FLOUNDER, MONTHLY, 1978-80
(FILLET WEIGHT)

MONTH	SUPPLY				USE	
	BEGINNING STOCKS	LANDINGS	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS					
1978						
JANUARY	9.0	1.2	2.9	13.1	7.7	5.3
FEBRUARY	7.7	1.9	2.8	12.4	6.9	5.6
MARCH	6.9	1.6	3.0	11.5	5.6	5.9
1ST QTR	9.0	4.7	8.7	22.4	5.6	16.8
APRIL	5.6	2.4	2.1	10.1	4.7	5.4
MAY	4.7	2.9	4.1	11.7	4.8	7.0
JUNE	4.8	2.6	5.2	12.5	6.0	6.5
2ND QTR	5.6	7.9	11.4	24.9	6.0	18.9
JULY	6.0	1.8	6.4	14.3	6.7	7.6
AUGUST	6.7	2.2	4.5	13.4	7.1	6.3
SEPTEMBER	7.1	1.7	5.0	13.8	8.1	5.6
3RD QTR	6.0	5.7	15.9	27.7	8.1	19.5
OCTOBER	8.1	1.5	5.2	14.8	8.9	5.9
NOVEMBER	8.9	1.6	4.8	15.4	9.4	6.0
DECEMBER	9.4	1.3	3.1	13.8	9.7	4.1
4TH QTR	8.1	4.4	13.2	25.7	9.7	16.0
YEAR	9.0	22.7	49.2	80.9	9.7	71.2
1979						
JANUARY	9.7	1.4	2.4	13.5	8.9	4.5
FEBRUARY	8.9	0.9	2.4	12.2	7.3	4.9
MARCH	7.3	2.4	2.3	12.0	5.6	6.3
1ST QTR	9.7	4.7	7.0	21.4	5.6	15.8
APRIL	5.6	2.4	2.6	10.7	5.1	5.5
MAY	5.1	2.6	2.9	10.7	5.8	4.9
JUNE	5.8	2.3	3.9	12.0	6.6	5.4
2ND QTR	5.6	7.3	9.5	22.4	6.6	15.8
JULY	6.6	2.3	3.7	12.6	7.1	5.5
AUGUST	7.1	2.2	5.6	14.9	8.4	6.5
SEPTEMBER	8.4	2.2	4.6	15.2	8.5	6.8
3RD QTR	6.6	6.7	13.9	27.2	8.5	18.7
OCTOBER	8.5	2.6	5.1	16.1	10.3	5.9
NOVEMBER	10.3	2.6	5.8	18.6	11.8	6.8
DECEMBER	11.8	2.0	4.9	18.8	12.7	6.0
4TH QTR	8.5	7.2	15.8	31.4	12.7	18.7
YEAR	9.7	25.9	46.2	81.8	12.7	69.0
1980						
JANUARY	12.7	2.1	1.7	16.5	12.5	4.0
FEBRUARY	12.5	2.2	1.1	15.7	10.8	4.9
MARCH	10.8	2.2	2.6	15.6	10.0	5.6
1ST QTR	12.7	6.5	5.4	24.6	10.0	14.6
APRIL						
MAY						
JUNE						
2ND QTR						
JULY						
AUGUST						
SEPTEMBER						
3RD QTR						
OCTOBER						
NOVEMBER						
DECEMBER						
4TH QTR						
YEAR						

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
LANDINGS: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS, NMFS. THIS IS THE SUM OF LANDINGS AT PRINCIPAL NEW ENGLAND PORTS ADJUSTED TO APPROXIMATE NEW ENGLAND LANDINGS.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

TABLE A14.--EXVESSEL, WHOLESALE, AND RETAIL PRICES OF FLOUNDER, MONTHLY, 1976-80

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
	CENTS PER POUND												
EXVESSEL PRICE, YELLOWTAIL FLOUNDER, AT MAJOR NEW ENGLAND PORTS (1)													
1976	49.2	61.0	59.1	41.3	38.3	42.4	35.9	36.0	27.0	48.7	40.1	47.8	41.0
1977	53.7	55.0	51.9	43.8	39.9	44.8	44.3	40.3	45.4	50.3	50.6	49.2	46.9
1978	68.4	60.4	74.4	51.0	49.0	49.7	63.5	54.1	78.1	76.0	52.8	60.6	61.1
1979	66.2	100.6	58.3	48.2	43.0	52.5	48.0	55.1	52.6	48.1	35.2	40.8	51.2
1980	52.0	55.6	74.6										
WHOLESALE PRICE, FROZEN FILLETS (CANADIAN, 5-LB. PACKAGE) (2)													
1976	97.0	97.8	100.0	104.0	105.3	109.8	110.0	110.0	109.0	110.0	110.0	110.0	106.1
1977	111.9	114.0	113.2	113.8	116.0	116.4	119.5	119.7	118.1	117.0	119.6	120.6	116.7
1978	118.4	116.9	119.2	119.5	120.6	-	131.0	131.0	131.0	134.0	134.0	134.0	126.3
1979	137.0	140.4	143.4	144.5	144.5	148.0	149.0	149.4	154.3	155.5	155.5	155.5	148.1
1980	155.5	155.5	154.0	154.0									
RETAIL PRICE, FROZEN FILLETS (3)													
1976	165.0	163.0	164.0	169.0	174.0	171.0	175.0	181.0	188.0	189.0	191.0	194.0	177.0
1977	196.0	196.0	196.0	199.0	200.0	197.0	197.0	203.0	207.0	210.0	201.0	209.0	200.9
1978	214.0	204.0	218.0	216.0	220.0	218.0	220.0	226.0	231.0	230.0	228.0	227.0	221.0
1979	231.0	246.0	239.0	249.0	259.0	260.0	264.0	263.0	271.0	264.0	276.0	279.0	258.4
1980	278.0	281.0	282.0	286.0									
RETAIL PRICE, FRESH FILLETS, AT NEW YORK CITY (4)													
1976	324.0	334.0	362.0	340.3	301.9	312.5	298.1	277.0	277.0	300.8	309.5	302.9	311.7
1977	332.3	347.8	329.1	342.9	308.3	317.5	307.5	320.0	324.5	346.6	346.6	356.6	331.6
1978	363.4	392.8	390.0	399.0	382.0	367.3	397.3	393.3	416.6	415.3	410.5	431.0	396.5
1979	467.6	479.0	436.0	409.0	402.8	392.8	386.5	367.8	384.8	381.0	364.0	380.7	404.3
1980	391.5	380.3	395.3	419.8									

(1) SOURCE: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS; ANNUAL AVERAGES ARE WEIGHTED.
(2) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(3) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.
(4) SOURCE: RETAIL PRICE REPORT, NEW YORK MARKET INFORMATION SERVICE; AVERAGE MONTHLY PRICE FOR DOMESTIC FILLETS.

TABLE A15.--SUPPLY AND USE OF TURBOT FILLETS, MONTHLY, 1978-80
(FILLET WEIGHT)

MONTH	SUPPLY				USE	
	BEGINNING STOCKS	LANDINGS	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS					
1978						
JANUARY	9.9	-	1.3	11.2	8.4	2.8
FEBRUARY	8.4	-	1.2	9.6	6.8	2.8
MARCH	6.8	-	2.6	9.4	6.4	3.1
1ST QTR	9.9	-	5.1	15.0	6.4	8.7
APRIL	6.4	-	2.5	8.8	5.4	3.5
MAY	5.4	-	3.0	8.4	4.6	3.8
JUNE	4.6	-	2.0	6.5	4.7	1.8
2ND QTR	6.4	-	7.5	13.8	4.7	9.1
JULY	4.7	-	4.7	9.4	5.4	4.1
AUGUST	5.4	-	7.6	13.0	9.5	3.5
SEPTEMBER	9.5	-	9.4	18.9	13.0	5.9
3RD QTR	4.7	-	21.7	26.4	13.0	13.4
OCTOBER	13.0	-	4.9	17.9	13.1	4.8
NOVEMBER	13.1	-	3.9	16.9	13.6	3.3
DECEMBER	13.6	-	2.0	15.7	14.1	1.6
4TH QTR	13.0	-	10.8	23.8	14.1	9.7
YEAR	9.9	-	45.1	55.0	14.1	40.9
1979						
JANUARY	14.1	-	2.2	16.3	12.0	4.2
FEBRUARY	12.0	-	0.9	13.0	10.3	2.6
MARCH	10.3	-	1.2	11.6	7.1	4.5
1ST QTR	14.1	-	4.3	18.4	7.1	11.3
APRIL	7.1	-	2.3	9.4	6.5	2.9
MAY	6.5	-	1.5	8.0	5.8	2.2
JUNE	5.8	-	2.5	8.3	5.3	3.0
2ND QTR	7.1	-	6.3	13.4	5.3	8.1
JULY	5.3	-	3.0	8.3	6.1	2.2
AUGUST	6.1	-	6.7	12.9	8.5	4.4
SEPTEMBER	8.5	-	6.7	15.2	10.2	5.1
3RD QTR	5.3	-	16.5	21.8	10.2	11.6
OCTOBER	10.2	-	4.1	14.3	10.5	3.7
NOVEMBER	10.5	-	2.3	12.9	10.5	2.4
DECEMBER	10.5	-	1.4	11.9	9.1	2.8
4TH QTR	10.2	-	7.8	18.0	9.1	8.9
YEAR	14.1	-	35.0	49.1	9.1	40.0
1980						
JANUARY	9.1	-	1.5	10.6	7.1	3.4
FEBRUARY	7.1	-	1.6	8.7	4.7	4.0
MARCH	4.7	-	2.2	6.9	3.5	3.4
1ST QTR	9.1	-	5.2	14.3	3.5	10.8
APRIL						
MAY						
JUNE						
2ND QTR						
JULY						
AUGUST						
SEPTEMBER						
3RD QTR						
OCTOBER						
NOVEMBER						
DECEMBER						
4TH QTR						
YEAR						

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

TABLE A16.--WHOLESALE AND RETAIL PRICES OF TURBOT, MONTHLY, 1976-80

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
	CENTS PER POUND												
WHOLESALE PRICE, FROZEN FILLETS (CANADIAN, 5-LB. PACKAGE) (1)													
1976	66.5	70.3	72.7	73.3	74.0	72.4	72.0	71.0	71.4	72.0	73.1	72.6	71.8
1977	72.8	71.4	72.6	74.3	84.0	94.0	90.9	91.3	92.1	93.5	91.2	92.9	85.1
1978	92.8	92.0	96.5	94.3	94.9	95.9	97.0	96.2	94.9	96.0	95.6	95.5	95.1
1979	95.8	95.0	96.0	96.0	97.0	95.8	95.6	95.5	95.5	94.7	94.0	94.8	95.5
1980	95.8	96.0	94.0	93.8									
WHOLESALE PRICE, FROZEN FILLETS (JAPANESE, 25-LB. IQF) (2)													
1976	68.8	70.3	70.9	70.9	71.5	70.9	69.4	67.0	67.6	68.4	72.4	73.5	70.1
1977	71.1	73.0	76.7	81.5	94.0	100.5	102.5	103.4	104.8	103.5	101.3	99.5	92.6
1978	104.2	105.8	104.5	-	-	102.8	103.5	101.8	100.6	98.3	97.0	96.8	101.5
1979	96.5	98.4	101.5	103.0	103.0	103.0	103.0	103.0	103.8	102.0	102.0	100.0	101.6
1980	100.0	110.0	101.5	101.5									
RETAIL PRICE, FROZEN FILLETS (3)													
1976	110.0	106.0	106.0	112.0	107.0	111.0	109.0	111.0	113.0	113.0	118.0	116.0	111.0
1977	113.0	113.0	110.0	115.0	120.0	131.0	138.0	132.0	142.0	147.0	155.0	157.0	131.1
1978	148.0	150.0	154.0	160.0	160.0	159.0	154.0	157.0	162.0	162.0	160.0	157.0	156.9
1979	160.0	155.0	167.0	161.0	169.0	173.0	184.0	181.0	175.0	181.0	164.0	171.0	170.1
1980	170.0	169.0	174.0	175.0									

(1) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(2) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(3) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.

Table A17.--Supply and use of fresh and frozen haddock, 1960-79

Year	Supply			Use			
	Beginning stocks	U.S. landings	Imports 1/	Total	Ending stocks	Apparent consumption	
						Total	Per capita
	Million pounds						Pounds
1960	10.2	41.7	18.2	70.1	8.1	62.0	0.345
1961	8.1	46.9	21.1	76.1	10.3	65.8	.354
1962	10.3	47.1	20.6	78.0	5.4	72.6	.386
1963	5.4	43.5	19.6	68.7	4.8	63.9	.327
1964	4.8	46.9	10.1	70.8	7.4	63.4	.334
1965	7.4	47.0	17.0	71.4	6.7	64.7	.334
1966	6.7	46.4	21.5	74.6	7.9	66.7	.340
1967	7.9	34.6	21.4	63.9	6.9	57.0	.288
1968	6.9	24.6	26.7	58.2	4.8	53.4	.267
1969	4.8	16.0	28.1	48.9	7.1	41.8	.206
1970	7.1	9.4	29.5	46.0	5.9	40.1	.196
1971	5.9	7.5	28.4	41.8	8.9	32.9	.159
1972	8.9	4.1	29.1	42.1	9.8	32.3	.155
1973	9.8	2.9	29.6	42.3	10.6	31.7	.151
1974	10.6	2.9	20.5	34.0	10.4	23.6	.112
1975	10.4	5.7	25.6	41.7	7.5	34.2	.161
1976	7.5	4.5	27.8	39.8	5.1	34.7	.162
1977	5.1	10.0	28.4	43.5	7.7	35.8	.165
1978	7.7	13.9	29.0	50.6	6.3	44.3	.203
1979 2/	6.3	14.7	31.7	52.7	4.4	48.3	.219

1/ Haddock fillet imports estimated from the category that included haddock, cusk, hake, and pollock.
2/ Preliminary.
Note: Imports were revised starting in 1972, and this also changes total supply and consumption.

TABLE A18.--SUPPLY AND USE OF FRESH AND FROZEN HADDOCK, MONTHLY, 1978-80
(FILLET WEIGHT)

MONTH	SUPPLY				USE	
	BEGINNING STOCKS	LANDINGS	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS					
1978						
JANUARY	7.7	0.8	1.5	10.1	6.3	3.8
FEBRUARY	6.3	1.5	2.4	10.2	5.6	4.6
MARCH	5.6	1.0	4.4	11.0	4.8	6.2
1ST QTR	7.7	3.3	8.3	19.3	4.8	14.6
APRIL	4.8	1.4	2.9	9.1	4.3	4.7
MAY	4.3	1.4	2.0	7.7	4.8	2.9
JUNE	4.8	2.0	2.2	8.9	5.1	3.8
2ND QTR	4.8	4.8	7.0	16.6	5.1	11.5
JULY	5.1	1.2	2.6	8.9	4.8	4.1
AUGUST	4.8	1.4	1.8	8.0	4.8	3.2
SEPTEMBER	4.8	1.0	4.2	10.1	5.5	4.5
3RD QTR	5.1	3.6	8.6	17.4	5.5	11.8
OCTOBER	5.5	1.3	2.2	9.0	5.9	3.2
NOVEMBER	5.9	1.2	1.0	8.1	6.1	2.0
DECEMBER	6.1	0.3	1.9	8.4	6.3	2.1
4TH QTR	5.5	2.8	5.2	13.5	6.3	7.2
YEAR	7.7	14.6	29.1	51.4	6.3	45.1
1979						
JANUARY	6.3	1.0	1.5	8.8	5.3	3.5
FEBRUARY	5.3	0.8	3.2	9.3	3.4	6.0
MARCH	3.4	1.1	4.5	8.9	3.3	5.6
1ST QTR	6.3	3.0	9.1	18.3	3.3	15.0
APRIL	3.3	1.5	2.6	7.3	3.9	3.4
MAY	3.9	1.8	2.3	8.0	3.8	4.2
JUNE	3.8	1.7	2.2	7.7	3.3	4.4
2ND QTR	3.3	5.0	7.1	15.3	3.3	12.0
JULY	3.3	1.5	3.0	7.8	3.2	4.6
AUGUST	3.2	1.5	2.0	6.7	4.2	2.5
SEPTEMBER	4.2	1.3	4.1	9.5	4.1	5.4
3RD QTR	3.3	4.2	9.1	16.6	4.1	12.5
OCTOBER	4.1	1.2	2.5	7.7	4.6	3.2
NOVEMBER	4.6	1.3	2.1	7.9	4.6	3.4
DECEMBER	4.6	0.7	1.8	7.1	4.4	2.7
4TH QTR	4.1	3.1	6.4	13.6	4.4	9.3
YEAR	6.3	15.2	31.7	53.2	4.4	48.9
1980						
JANUARY	4.4	1.1	1.9	7.4	5.1	2.3
FEBRUARY	5.1	1.4	2.1	8.6	3.6	5.0
MARCH	3.6	1.5	5.0	10.1	4.2	5.9
1ST QTR	4.4	4.0	9.1	17.4	4.2	13.2
APRIL						
MAY						
JUNE						
2ND QTR						
JULY						
AUGUST						
SEPTEMBER						
3RD QTR						
OCTOBER						
NOVEMBER						
DECEMBER						
4TH QTR						
YEAR						

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
LANDINGS: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS, NMFS. THIS IS THE SUM OF LANDINGS AT PRINCIPAL NEW ENGLAND PORTS ADJUSTED TO APPROXIMATE NEW ENGLAND LANDINGS.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS. ESTIMATED FROM THE CATEGORY THAT ALSO INCLUDES CUSK, HAKE, AND POLLOCK.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

TABLE A19.--EXVESSEL, WHOLESALE, AND RETAIL PRICES OF HADDOCK, MONTHLY, 1976-80

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
	CENTS PER POUND												
EXVESSEL PRICE, AT MAJOR NEW ENGLAND PORTS (1)													
1976	55.2	42.4	42.9	46.5	37.7	40.9	45.5	43.2	41.0	44.3	44.9	49.0	43.6
1977	42.5	36.0	43.6	38.7	28.6	28.0	25.5	31.3	33.4	30.8	30.3	34.4	32.4
1978	37.7	27.2	41.1	31.5	26.9	23.0	31.2	32.9	36.2	34.2	33.5	59.7	32.0
1979	45.0	60.2	42.3	36.1	33.4	31.5	41.2	38.7	43.1	49.7	44.6	62.8	41.9
1980	64.0	49.1	53.7										
WHOLESALE PRICE, FROZEN FILLETS (CANADIAN, 5-LB. PACKAGE) (2)													
1976	89.3	90.0	98.0	92.0	92.0	97.0	102.8	98.0	98.0	-	-	102.0	95.9
1977	103.9	-	-	105.5	105.5	105.4	105.0	105.0	104.2	105.4	105.0	105.0	105.0
1978	105.0	104.5	103.8	103.0	103.3	103.5	103.5	102.6	99.0	99.0	99.0	99.0	102.1
1979	99.0	-	-	-	-	110.0	110.0	110.2	112.0	118.0	120.8	120.6	112.6
1980	122.5	125.0	125.0	-									
WHOLESALE PRICE, FRESH FILLETS, AT BOSTON (3)													
1976	195.8	156.3	147.5	178.1	145.5	153.3	156.3	159.0	159.4	177.5	177.5	231.7	169.8
1977	203.3	138.8	188.1	171.9	131.0	125.0	110.0	136.9	135.0	126.0	130.6	161.7	146.5
1978	150.0	120.0	168.8	155.0	122.5	133.3	157.5	155.0	151.9	141.5	149.4	237.5	153.5
1979	201.0	238.1	183.1	169.0	158.1	144.4	181.5	166.9	176.9	205.0	184.4	211.3	185.0
1980	240.0	192.5	211.0	146.9									
RETAIL PRICE, FROZEN FILLETS (4)													
1976	155.0	156.0	157.0	164.0	156.0	160.0	162.0	162.0	166.0	165.0	165.0	171.0	161.6
1977	172.0	178.0	178.0	183.0	181.0	181.0	185.0	192.0	197.0	192.0	195.0	195.0	185.8
1978	193.0	196.0	196.0	202.0	203.0	205.0	207.0	210.0	213.0	215.0	216.0	217.0	206.1
1979	213.0	215.0	217.0	219.0	222.0	227.0	226.0	231.0	235.0	243.0	258.0	244.0	229.2
1980	254.0	263.0	259.0	260.0									

(1) SOURCE: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS, ANNUAL AVERAGES ARE WEIGHTED.
(2) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(3) SOURCE: BOSTON MARKET NEWS OFFICE -- RESOURCE STATISTICS DIVISION, NMFS.
(4) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.

Table A 20.--Supply and use of ocean perch 1960-79

(Fillet weight)

Year	Supply					Use			
	Beginning stocks	Landings			Imports	Total	Ending stocks	Apparent consumption	
		Atlantic	Pacific	Total				Total	Per capita
	Million pounds								Pounds
1960	14.9	42.4	2.7	45.1	14.4	74.4	13.7	62.0	0.337
1961	13.7	39.6	3.7	43.3	18.4	75.7	13.0	62.7	.343
1962	13.0	37.2	5.2	42.4	19.5	74.9	13.5	61.4	.330
1963	13.5	32.5	7.1	39.6	21.5	74.6	16.3	58.3	.310
1964	16.3	26.8	6.3	33.1	22.9	72.3	15.4	56.9	.297
1965	15.4	25.3	8.5	33.8	25.7	74.9	12.2	62.7	.325
1966	12.2	24.4	6.7	31.1	41.6	84.9	17.9	67.0	.342
1967	17.9	21.4	6.2	27.6	36.3	81.8	18.0	63.8	.319
1968	18.0	18.7	3.8	22.5	50.4	90.9	19.7	71.2	.356
1969	19.7	17.3	4.3	21.6	64.2	105.5	16.4	89.1	.446
1970	16.4	15.5	4.3	19.8	54.2	90.4	21.3	69.1	.338
1971	21.3	16.8	2.8	19.6	56.7	97.6	20.7	76.9	.372
1972	20.7	16.5	2.6	19.1	71.7	111.5	17.8	93.7	.447
1973	17.8	15.0	1.4	16.4	88.4	122.6	27.3	95.3	.454
1974	27.3	11.6	0.6	12.2	59.6	99.1	18.2	80.9	.383
1975	18.3	9.0	2.0	11.0	67.6	96.8	10.0	86.8	.406
1976	10.0	9.6	1.7	11.3	60.1	81.4	14.3	67.1	.313
1977	14.3	10.5	1.7	12.2	45.2	71.7	9.5	62.2	.287
1978	9.5	10.7	1.6	12.3	47.6	69.3	11.5	57.8	.265
1979 1/	11.5	10.2	2.2	12.4	52.8	76.7	19.4	57.3	.260

1/ Preliminary.

Note: Annual data differs from monthly because it includes landings from other areas that are not available monthly or not available on a timely basis.

TABLE A21.--SUPPLY AND USE OF FRESH AND FROZEN OCEAN PERCH, MONTHLY, 1978-80
(FILLET WEIGHT)

MONTH	SUPPLY				USE	
	BEGINNING STOCKS	LANDINGS	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS					
1978						
JANUARY	9.5	0.4	3.1	13.0	7.2	5.8
FEBRUARY	7.2	1.0	1.2	9.4	4.5	4.8
MARCH	4.5	1.3	3.1	8.9	3.8	5.1
1ST QTR	9.5	2.7	7.4	19.5	3.8	15.7
APRIL	3.8	0.9	3.4	8.0	3.1	4.9
MAY	3.1	1.5	2.7	7.3	3.0	4.2
JUNE	3.0	1.4	3.1	7.5	3.3	4.3
2ND QTR	3.8	3.8	9.1	16.7	3.3	13.4
JULY	3.3	0.9	4.3	8.5	3.7	4.8
AUGUST	3.7	0.8	5.1	9.6	5.5	4.1
SEPTEMBER	5.5	0.7	8.5	14.7	8.1	6.6
3RD QTR	3.3	2.4	17.9	23.6	8.1	15.5
OCTOBER	8.1	0.7	5.0	13.7	10.6	3.1
NOVEMBER	10.6	0.8	3.9	15.3	10.4	4.9
DECEMBER	10.4	0.5	4.2	15.1	11.5	3.6
4TH QTR	8.1	1.9	13.2	23.1	11.5	11.6
YEAR	9.5	10.8	47.6	67.8	11.5	56.3
1979						
JANUARY	11.5	0.7	2.6	14.7	9.8	5.0
FEBRUARY	9.8	0.6	2.2	12.5	6.4	6.1
MARCH	6.4	1.0	2.1	9.5	4.0	5.5
1ST QTR	11.5	2.3	6.8	20.6	4.0	16.5
APRIL	4.0	1.0	2.7	7.7	4.4	3.3
MAY	4.4	1.4	3.3	9.2	5.5	3.7
JUNE	5.5	1.1	3.1	9.7	5.9	3.8
2ND QTR	4.0	3.5	9.1	16.6	5.9	10.8
JULY	5.9	0.8	5.8	12.5	7.0	5.6
AUGUST	7.0	1.0	6.0	14.0	11.0	2.9
SEPTEMBER	11.0	0.6	7.4	19.1	12.8	6.3
3RD QTR	5.9	2.4	19.3	27.6	12.8	14.8
OCTOBER	12.8	1.0	7.0	20.8	16.0	4.8
NOVEMBER	16.0	0.7	5.9	22.6	18.4	4.2
DECEMBER	18.4	0.4	4.8	23.5	19.4	4.1
4TH QTR	12.8	2.0	17.6	32.5	19.4	13.1
YEAR	11.5	10.3	52.8	74.6	19.4	55.2
1980						
JANUARY	19.4	0.2	2.1	21.7	16.3	5.4
FEBRUARY	16.3	0.4	1.3	17.9	15.8	2.1
MARCH	15.8	0.4	5.3	21.6	13.6	8.1
1ST QTR	19.4	1.0	8.7	29.1	13.6	15.5
APRIL						
MAY						
JUNE						
2ND QTR						
JULY						
AUGUST						
SEPTEMBER						
3RD QTR						
OCTOBER						
NOVEMBER						
DECEMBER						
4TH QTR						
YEAR						

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
LANDINGS: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS, NMFS. THIS IS THE SUM OF LANDINGS AT PRINCIPAL NEW ENGLAND PORTS ADJUSTED TO APPROXIMATE NEW ENGLAND LANDINGS.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

TABLE A22.--EXVESSEL, WHOLESALE, AND RETAIL PRICES OF OCEAN PERCH, MONTHLY, 1976-80

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
	- CENTS PER POUND -												
EXVESSEL PRICE, AT MAJOR NEW ENGLAND PORTS (1)													
1976	12.1	12.1	13.6	13.6	13.6	13.0	13.8	14.1	14.1	14.2	15.1	14.9	13.7
1977	15.3	15.5	15.3	16.2	15.0	15.3	15.2	15.2	15.3	15.7	15.4	15.9	15.3
1978	16.6	17.1	18.1	17.1	16.8	15.7	16.6	17.0	17.0	17.9	18.0	19.4	17.1
1979	20.6	24.4	22.3	21.5	19.3	16.4	20.4	20.7	21.2	21.4	21.1	23.7	20.7
1980	25.8	26.4	29.5										
WHOLESALE PRICE, FROZEN FILLETS (CANADIAN, 5-LB. PACKAGE) (2)													
1976	72.0	72.3	74.3	76.9	82.4	88.2	92.5	92.1	90.3	93.0	92.8	92.5	84.9
1977	92.0	92.0	92.0	92.0	92.5	92.7	94.0	94.0	93.8	93.8	94.4	94.0	93.1
1978	94.8	96.3	97.0	98.0	98.3	99.0	99.0	99.4	99.4	99.5	98.2	98.0	98.1
1979	98.0	99.0	103.8	105.0	106.5	107.5	110.0	110.0	110.0	110.0	110.0	110.0	106.7
1980	110.0	110.0	110.0	-									
RETAIL PRICE, FROZEN FILLETS (3)													
1976	122.0	126.0	122.0	127.0	136.0	130.0	132.0	145.0	150.0	152.0	155.0	156.0	137.8
1977	163.0	159.0	161.0	159.0	163.0	166.0	172.0	168.0	170.0	165.0	169.0	169.0	165.3
1978	171.0	174.0	178.0	176.0	180.0	179.0	180.0	184.0	180.0	181.0	180.0	184.0	178.9
1979	184.0	188.0	192.0	194.0	201.0	207.0	213.0	210.0	211.0	216.0	214.0	216.0	203.8
1980	214.0	219.0	220.0	213.0									

(1) SOURCE: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS, ANNUAL AVERAGES ARE WEIGHTED.
(2) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(3) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.

Table A 23.--Supply and use of Pacific halibut, 1960-79 1/
(Dressed weight)

Year	Supply				Use		
	Beginning stocks	U.S. landings	Imports	Total	Ending stocks	Apparent consumption	
						Total	Per capita
	Million pounds						Pounds
1960	18.9	38.3	28.6	85.8	14.4	71.4	0.396
1961	14.4	40.0	28.2	82.6	13.8	68.8	.376
1962	13.8	40.4	34.9	89.1	22.6	66.5	.357
1963	22.6	34.3	29.4	86.3	25.4	60.9	.323
1964	25.4	26.3	30.3	82.0	15.8	66.2	.346
1965	15.8	30.4	30.0	76.2	17.4	58.8	.304
1966	17.4	30.4	27.4	75.2	20.4	54.5	.278
1967	20.7	30.1	24.1	74.9	19.3	55.6	.281
1968	19.8	19.4	29.7	68.4	13.7	54.7	.274
1969	13.7	25.0	31.8	70.5	14.9	55.6	.276
1970	14.9	25.9	27.2	69.0	17.0	51.0	.249
1971	17.0	21.3	28.0	66.3	11.2	55.1	.266
1972	11.2	19.3	34.5	65.0	18.3	46.7	.223
1973	18.3	18.1	24.9	61.3	16.5	44.8	.214
1974	16.5	13.8	10.4	40.7	8.5	32.2	.152
1975	8.5	16.2	14.3	39.0	8.3	30.7	.144
1976	8.3	15.5	11.6	35.4	9.5	25.9	.121
1977	9.5	13.3	9.0	31.8	7.5	24.3	.112
1978	7.5	13.3	9.0	29.8	5.9	23.9	.110
1979 2/	5.9	16.0	5.3	27.2	11.3	16.0	.073

1/ Data were adjusted downward to correct for Greenland turbot that was classified as halibut.
2/ Preliminary.

Table A24.--Supply and use of canned salmon, 1965-79

Year	Supply				Use			
	Beginning stocks	Production	Imports	Total	Ending stocks	Exports	Apparent consumption	
							Total	Per capita
	Thousand standard cases							Pounds
1965	3,349	3,634	2	6,985	2,761	519	3,705	0.919
1966	2,761	4,358	12	7,131	3,465	427	3,248	.797
1967	3,456	2,072	3	5,531	2,087	428	3,016	.733
1968	2,087	3,448	103	5,638	2,746	119	2,773	.668
1969	2,746	2,551	46	5,343	2,163	324	2,856	.681
1970	2,163	3,882	51	6,036	2,650	350	3,036	.715
1971	2,650	3,509	32	6,191	2,699	380	3,112	.724
1972	2,699	1,935	243	4,877	1,508	445	2,924	.680
1973	1,508	1,495	178	3,181	941	353	1,887	.432
1974	941	1,829	146	2,916	1,668	173	1,075	.244
1975	1,668	1,627	68	3,363	1,354	469	1,540	.347
1976	1,354	2,659	53	4,066	2,042	413	1,611	.360
1977	2,042	3,142	12	5,196	2,568	443	2,167	.481
1978	2,586	3,422	7	6,015	2,707	677	2,631	.579
1979 1/	2,707	3,148	9	5,864	2,348	1,057	2,459	.536

1/ Preliminary.

Source: National Food Processors Association; U.S. Department of Commerce, Bureau of the Census; and Fishery Statistics of the United States.

TABLE A25.--WHOLESALE PRICES OF CANNED SALMON, MONTHLY, 1976-80

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
	DOLLARS PER CASE												
RED (SOCKEYE), 48 TALLS (1-LB. CANS)													
1976	80.60	82.75	83.00	83.00	83.00	83.00	83.00	83.00	83.00	82.20	82.75	84.00	82.78
1977	84.75	85.50	87.00	87.50	87.50	87.50	88.10	89.00	91.50	93.00	92.50	92.00	88.82
1978	92.00	92.00	92.00	92.00	92.00	92.00	92.00	92.00	92.50	94.00	94.00	94.00	92.54
1979	94.00	94.00	94.00	95.50	96.00	96.00	96.00	101.50	106.33	106.00	106.25	107.67	99.44
1980	108.00	108.00	108.00	108.00									
RED (SOCKEYE), 48 1/2-LB. CANS													
1976	53.00	55.00	54.63	53.50	53.50	53.50	55.10	56.25	56.13	55.00	55.00	55.00	54.63
1977	55.00	55.50	57.00	56.80	56.38	57.50	57.70	58.00	58.50	59.00	59.00	59.00	57.45
1978	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.38	60.50	60.50	60.50	59.41
1979	60.50	60.50	60.50	60.75	60.50	60.50	60.50	64.50	68.00	68.00	69.88	69.50	63.64
1980	69.50	69.50	69.50	69.50									
PINK, 48 TALLS (1-LB. CANS)													
1976	69.00	69.00	69.00	69.00	69.00	69.00	69.00	69.00	68.50	67.40	67.00	67.50	68.53
1977	68.00	67.00	64.00	65.00	66.50	66.50	67.10	68.60	69.00	69.00	67.50	66.00	67.02
1978	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	65.00	62.00	63.25	64.00	65.19
1979	64.00	64.00	64.00	66.25	67.75	70.00	70.00	72.00	74.00	74.00	75.25	78.00	69.94
1980	76.50	76.00	76.00	77.50									
CHUM, 48 TALLS (1-LB. CANS)													
1976	59.00	59.50	60.00	60.00	60.00	60.00	60.40	61.00	60.25	59.20	59.00	59.00	59.78
1977	59.00	58.75	58.00	58.40	59.00	59.00	59.00	59.00	60.50	61.00	58.75	57.50	58.99
1978	57.50	57.50	57.50	57.00	57.00	57.00	57.00	57.00	57.25	58.00	58.00	58.00	57.40
1979	58.00	58.00	58.00	59.50	60.00	60.00	60.00	62.50	66.33	67.00	69.63	69.67	62.39
1980	70.00	70.00	70.00	70.00									

SOURCE: FISHERY MARKET NEWS REPORT, SEATTLE -- RESOURCE STATISTICS DIVISION, NMFS; AVERAGE OF THE WEEKLY PRICES REPORTED BY SEATTLE BROKERS AND CANNERS FOR TOP QUALITY STOCKS ONLY.

Table A 26.--U.S. supply of canned sardines, 1968-79

(Canned weight)

Year	U.S. pack Maine sardines	Imports	Total supply	Exports	Total for U.S. consumption
	Thousand pounds				
1968	40,489	58,867	99,356	3,032	96,324
1969	24,402	45,367	69,769	2,095	67,674
1970	18,872	46,908	65,780	1,456	64,324
1971	22,249	50,019	72,268	870	71,378
1972	36,540	70,215	106,755	3,030	103,725
1973	23,284	67,419	90,703	1,740	88,963
1974	25,131	69,137	94,268	1,691	92,577
1975	26,008	31,106	57,114	2,161	54,953
1976	24,971	53,873	78,844	1,829	77,015
1977	23,496	50,036	73,532	1,776	71,756
1978	26,376	48,717	75,093	1,555	73,538
1979	30,369	49,756	80,125	1,591	78,534

TABLE A27.--EXVESSEL, WHOLESALE, AND RETAIL PRICES OF SARDINES, MONTHLY, 1976-80

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
EXVESSEL PRICE, MAINE SEA HERRING (1)													
	CENTS PER POUND												
1976	4.5	-	-	3.0	3.8	4.5	4.5	4.3	4.3	4.3	4.4	5.0	4.3
1977	-	4.5	4.8	4.5	4.7	4.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9
1978	4.9	5.0	5.0	5.3	5.7	5.8	5.8	5.8	5.5	5.5	5.1	6.0	5.7
1979	6.5	6.4	6.3	20.0	5.7	5.7	5.7	4.9	4.9	4.9	4.9	4.9	5.1
1980	19.0	-											
WHOLESALE PRICE, CANNED MAINE SARDINES, AT NEW YORK CITY (2)													
	DOLLARS PER CASE												
1976	22.25	21.60	21.60	21.60	22.10	22.10	22.10	22.10	22.10	22.85	23.10	23.10	22.22
1977	23.10	23.10	23.10	24.10	24.10	24.10	24.10	24.10	25.10	25.10	25.10	27.10	24.35
1978	27.10	27.10	28.10	28.10	30.10	30.10	30.10	32.10	32.10	32.10	32.10	32.10	30.10
1979	32.10	32.10	32.10	32.10	32.10	32.10	32.10	32.10	32.10	32.10	32.10	32.10	32.10
1980	32.10	32.10	32.10	33.60									
RETAIL PRICE, CANNED MAINE SARDINES (3)													
	CENTS PER CAN												
1976	33.8	33.3	31.9	32.6	32.6	31.9	32.8	33.3	33.3	33.8	34.7	34.9	33.2
1977	35.6	36.6	34.9	35.6	35.9	35.6	36.3	36.8	36.8	37.3	37.3	37.5	36.3
1978	38.9	39.4	40.1	41.7	41.3	43.4	44.8	45.7	46.2	48.0	48.3	49.2	43.9
1979	50.6	49.2	49.0	49.0	49.7	48.8	48.8	49.5	49.2	48.8	48.8	49.2	49.2
1980	49.5	48.5	49.7	49.9									
RETAIL PRICE, CANNED NORWAY SARDINES (4)													
	CENTS PER CAN												
1976	62.6	61.9	62.8	62.6	65.6	61.2	62.1	59.1	59.5	60.0	59.5	59.3	61.3
1977	58.1	60.0	59.5	60.0	60.7	62.3	63.5	64.2	64.9	66.3	65.4	65.4	62.5
1978	65.9	65.4	66.8	68.7	69.1	69.6	69.4	69.4	68.9	68.7	69.4	69.8	68.4
1979	73.1	70.5	71.7	71.5	72.7	72.4	72.4	74.5	73.4	72.0	74.3	74.1	72.7
1980	74.1	72.2	74.3	77.6									

(1) SOURCE: MAINE LANDINGS -- RESOURCE STATISTICS DIVISION, NMFS; BASED ON ROUND WEIGHT.
(2) SOURCE: NEW YORK MARKET NEWS OFFICE -- RESOURCE STATISTICS DIVISION, NMFS.
(3) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.
(4) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.

TABLE A28.--RECEIPTS OF DOMESTIC-CAUGHT TUNA AND BONITO BY U.S. CANNERIES, INCLUDING AMERICAN SAMOA AND PUERTO RICO, 1978-80

	RECEIPTS OF TUNA									
	CONTINENTAL U.S.					AMERICAN SAMOA, PUERTO RICO, AND HAWAII			TUNA, GRAND TOTAL	RECEIPTS OF BONITO (2)
	ALBACORE	BLUEFIN	SKIPJACK	YELLOWFIN	TOTAL	SKIPJACK	YELLOWFIN (1)	TOTAL		
	SHORT TONS									
1978										
JANUARY	43	82	444	729	1,298	3,217	1,334	4,551	5,849	19
FEBRUARY	44	-	1,651	1,940	3,635	1,723	1,671	3,394	7,029	28
MARCH	29	-	19,172	15,231	34,432	7,953	4,311	12,264	46,696	19
1ST QTR	116	82	21,267	17,900	39,365	12,893	7,316	20,209	59,574	66
APRIL	67	-	6,437	7,438	13,942	10,271	4,475	14,746	28,688	3
MAY	-	-	3,733	9,405	13,138	7,852	4,214	12,066	25,204	8
JUNE	14	194	9,266	14,549	24,023	9,129	4,954	14,083	38,106	768
2ND QTR	81	194	19,436	31,392	51,103	27,252	13,643	40,895	91,998	779
JULY	1,089	249	5,140	8,032	14,510	4,775	1,845	6,620	21,130	1,117
AUGUST	7,173	3,218	7,156	12,170	29,717	1,798	376	2,174	31,891	749
SEPTEMBER	4,874	837	3,511	7,937	17,159	759	1,076	1,835	18,994	50
3RD QTR	13,136	4,304	15,807	28,139	61,386	7,332	3,297	10,629	72,015	1,916
OCTOBER	2,291	199	3,807	9,461	15,758	3,161	2,603	5,764	21,522	58
NOVEMBER	698	23	5,206	8,594	14,521	2,592	2,905	5,497	20,018	621
DECEMBER	369	-	5,447	6,244	12,060	2,146	2,346	4,492	16,552	17
4TH QTR	3,358	222	14,460	24,299	42,339	7,899	7,854	15,753	58,092	696
YEAR	16,691	4,802	70,970	101,730	194,193	55,376	32,110	87,486	281,679	3,457
1979 (3)										
JANUARY	397	-	2,095	1,169	3,661	3,809	2,481	6,290	9,951	184
FEBRUARY	48	-	1,626	2,863	4,537	3,577	2,952	6,529	11,066	81
MARCH	136	-	5,235	14,736	20,107	3,366	2,381	5,747	25,854	7
1ST QTR	581	-	8,956	18,768	28,305	10,752	7,814	18,566	46,871	272
APRIL	507	-	12,042	14,395	26,944	2,125	767	2,892	29,836	-
MAY	442	268	5,188	11,006	16,904	6,919	3,448	10,367	27,271	31
JUNE	-	276	3,327	6,138	9,741	3,820	3,914	7,734	17,475	109
2ND QTR	949	544	20,557	31,539	53,589	12,864	8,129	20,993	74,582	140
JULY	5	1,694	7,341	12,028	21,068	2,365	1,855	4,220	25,288	580
AUGUST	1,464	2,027	4,248	9,932	17,671	552	58	610	18,281	159
SEPTEMBER	1,418	1,087	2,613	6,548	11,666	2,828	2,113	4,941	16,607	190
3RD QTR	2,887	4,808	14,202	28,508	50,405	5,745	4,026	9,771	60,176	929
OCTOBER	2,290	327	3,865	6,430	12,912	3,221	3,526	6,747	19,659	90
NOVEMBER	195	400	5,253	12,675	18,523	2,804	4,000	6,804	25,327	135
DECEMBER	11	44	3,927	7,684	11,666	1,845	4,490	6,335	18,001	244
4TH QTR	2,496	771	13,045	26,789	43,101	7,870	12,016	19,886	62,987	469
YEAR	6,913	6,123	56,760	105,604	175,400	37,231	31,985	69,216	244,616	1,810
1980 (3)										
JANUARY	4	-	1,300	1,447	2,751	834	1,229	2,063	4,814	664
FEBRUARY	-	-	2,260	3,324	5,584	3,359	1,068	4,427	10,011	1,174
MARCH	11	-	4,176	7,534	11,721					1,326
1ST QTR	15	-	7,736	12,305	20,056					3,164
APRIL	-	-	15,136	19,946	35,082					806
MAY										
JUNE										
2ND QTR										
JULY										
AUGUST										
SEPTEMBER										
3RD QTR										
OCTOBER										
NOVEMBER										
DECEMBER										
4TH QTR										
YEAR										

(1) INCLUDES SMALL AMOUNTS OF ALBACORE AND BLUEFIN.
(2) RECEIPTS AT CONTINENTAL U.S. CANNERIES.
(3) PRELIMINARY.

SOURCE: FISHERY MARKET NEWS REPORT, TERMINAL ISLAND, CALIFORNIA — RESOURCE STATISTICS DIVISION, NMFS.

Table A29.--U.S. imports of fresh and frozen tuna, by type and country, annual, 1977-79

Type and country	1977	1978	1979
		Thousand pounds	
Albacore			
Neth. Antilles	-	4,214	276
Uruguay	699	5,852	1,567
Malaysia	2,106	4,123	602
Singapore	-	4,912	5,546
Rep. of Korea	14,195	10,829	48,999
China-Taiwan	26,041	37,511	37,826
Japan	49,902	48,440	45,297
Br. Pacific Island	13,494	12,724	10,651
South Africa Republic	4,600	6,817	10,148
Other	23,208	23,690	17,856
Total	134,245	159,112	178,771
Other tuna			
Mexico	25,412	35,766	18,761
Panama	24,946	29,356	55,680
Venezuela	7,964	20,556	11,169
Ecuador	21,899	27,128	37,057
France	35,672	19,218	8,891
Spain	23,050	19,717	9,793
Philippines	20,991	34,910	58,526
Japan	127,546	118,609	70,663
Papua New Guinea	23,871	49,618	47,601
Ivory Coast	5,101	17,511	4,913
Ghana	7,372	17,481	8,235
Other	86,764	127,026	121,592
Total	410,584	516,896	452,881
Gtand total	544,829	676,008	631,652

Source: U.S. Department of Commerce, Bureau of the Census.

TABLE A30.--TUNA AND BONITO PACK AT U.S. CANNERIES, INCLUDING AMERICAN SAMOA AND PUERTO RICO, 1978-80

	TUNA PACK									BONITO PACK
	CONTINENTAL U.S.			AMERICAN SAMOA, PUERTO RICO, AND HAWAII			TUNA, TOTAL			
	WHITE	LIGHT	TOTAL	WHITE	LIGHT	TOTAL	WHITE	LIGHT	TOTAL	
	THOUSAND STANDARD CASES									
1978										
JANUARY	66	936	1,002	219	966	1,185	285	1,902	2,187	4
FEBRUARY	58	786	844	416	698	1,114	474	1,484	1,958	5
MARCH	36	1,223	1,259	553	1,227	1,780	589	2,450	3,039	1
1ST QTR	160	2,945	3,105	1,188	2,891	4,079	1,348	5,836	7,184	10
APRIL	70	1,278	1,348	607	1,323	1,930	677	2,601	3,278	2
MAY	80	1,317	1,397	333	1,148	1,481	413	2,465	2,878	9
JUNE	82	1,208	1,290	324	1,250	1,574	406	2,458	2,864	38
2ND QTR	232	3,803	4,035	1,264	3,721	4,985	1,496	7,524	9,020	49
JULY	81	1,055	1,136	413	1,246	1,659	494	2,301	2,795	46
AUGUST	383	532	915	315	1,060	1,375	698	1,592	2,290	9
SEPTEMBER	39	2,355	2,394	727	1,345	2,072	766	3,700	4,466	26
3RD QTR	503	3,942	4,445	1,455	3,651	5,106	1,958	7,593	9,551	81
OCTOBER	213	1,382	1,595	662	962	1,624	875	2,344	3,219	10
NOVEMBER	56	1,059	1,115	254	1,376	1,630	310	2,435	2,745	29
DECEMBER	65	1,027	1,092	433	1,162	1,595	498	2,189	2,687	2
4TH QTR	334	3,468	3,802	1,349	3,500	4,849	1,683	6,968	8,651	41
YEAR	1,229	14,158	15,387	5,256	13,763	19,019	6,485	27,921	34,406	181
1979 (1)										
JANUARY	81	832	913	248	1,001	1,249	329	1,833	2,162	7
FEBRUARY	61	451	512	365	1,042	1,407	426	1,493	1,919	3
MARCH	151	1,306	1,457	514	928	1,442	665	2,234	2,899	-
1ST QTR	293	2,589	2,882	1,127	2,971	4,098	1,420	5,560	6,980	10
APRIL	86	1,576	1,662	355	884	1,239	441	2,460	2,901	-
MAY	54	1,138	1,192	304	901	1,205	358	2,039	2,397	2
JUNE	5	720	725	55	944	999	60	1,664	1,724	3
2ND QTR	145	3,434	3,579	714	2,729	3,443	859	6,163	7,022	5
JULY	2	1,108	1,110	366	1,022	1,388	368	2,130	2,498	18
AUGUST	86	1,179	1,265	400	801	1,201	486	1,980	2,466	9
SEPTEMBER	145	890	1,035	522	793	1,315	667	1,683	2,350	8
3RD QTR	233	3,177	3,410	1,288	2,616	3,904	1,521	5,793	7,314	35
OCTOBER	175	892	1,067	166	1,249	1,415	341	2,141	2,482	4
NOVEMBER	51	1,206	1,257	528	1,039	1,567	579	2,245	2,824	5
DECEMBER	78	972	1,050	141	926	1,067	219	1,898	2,117	9
4TH QTR	304	3,070	3,374	835	3,214	4,049	1,139	6,284	7,423	18
YEAR	975	12,270	13,245	3,964	11,530	15,494	4,939	23,800	28,739	68
1980 (1)										
JANUARY	28	421	449	226	864	1,090	254	1,285	1,539	23
FEBRUARY	11	387	398	202	672	874	213	1,059	1,272	42
MARCH	122	831	953							47
1ST QTR	161	1,639	1,800							112
APRIL	67	2,013	2,080							29
MAY										
JUNE										
2ND QTR										
JULY										
AUGUST										
SEPTEMBER										
3RD QTR										
OCTOBER										
NOVEMBER										
DECEMBER										
4TH QTR										
YEAR										

(1) PRELIMINARY. REVISED ANNUAL DATA, PUBLISHED IN FISHERIES OF THE UNITED STATES, 1979, WERE USED IN THE TEXT OF THIS REPORT.

SOURCE: FISHERY MARKET NEWS REPORT, TERMINAL ISLAND, CALIFORNIA -- RESOURCE STATISTICS DIVISION, NMFS.

TABLE A31.--EXVESSEL PRICES OF TUNA, MONTHLY, 1976-80 (1)

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
	DOLLARS PER TON												
ALBACORE													
1976	675	675	675	-	-	910	910	910	920	960	1000	1000	864
1977	1000	1000	1000	1000	-	-	1165	1165	1165	1165	1165	1165	1099
1978	1165	1165	1165	1165	-	1220	1220	1220	1220	1220	1220	1220	1200
1979	1220	1220	1220	1220	1220	1220	-	1320	1320	1390	1390	1390	1285
1980	1390	-	1390	-									
BLUEFIN													
1976	-	560	560	560	-	576	577	580	587	595	595	580	577
1977	-	-	-	-	765	772	777	800	800	800	800	807	790
1978	810	-	-	-	-	820	820	820	820	820	820	820	819
1979	820	-	-	-	853	849	867	894	930	930	930	930	889
1980	930	-	-	-									
SKIPJACK (2)													
1976	520	540	541	543	532	552	554	560	568	575	579	575	553
1977	602	620	620	620	704	748	748	748	765	765	770	777	707
1978	783	790	790	790	790	790	790	790	790	790	790	773	788
1979	765	746	745	750	761	775	786	814	828	837	850	850	792
1980	944	1038	1100	1100									
YELLOWFIN (2)													
1976	520	580	567	582	588	592	594	600	608	615	619	615	590
1977	639	665	665	665	755	797	803	803	820	820	823	828	757
1978	833	840	840	840	840	840	840	840	840	840	840	840	839
1979	840	840	845	851	861	875	886	914	928	937	950	950	890
1980	1075	1138	1200	1200									

(1) MIDPOINTS OF PRICE RANGES RECEIVED FROM CALIFORNIA CANNERS.
(2) PREMIUM GRADE.

SOURCE: FISHERY MARKET NEWS REPORT, TERMINAL ISLAND, CALIFORNIA -- RESOURCE STATISTICS DIVISION, NMFS.

TABLE A32.--CANNED TUNA WHOLESALE AND RETAIL PRICES, MONTHLY, 1976-80

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
WHOLESALE PRICE -- ADVERTISED LABELS (1)													
	DOLLARS PER CASE												
WHITE SOLID (NO. 1/2 -- 7 OZ. 48'S), IN WATER													
1976	29.00	30.25	30.50	30.50	32.63	33.50	35.00	35.00	36.50	37.00	37.00	39.00	33.82
1977	39.00	39.00	39.00	39.00	39.00	39.00	39.00	39.75	40.50	40.50	41.78	42.00	39.79
1978	42.00	42.00	42.00	42.00	42.25	42.50	42.88	46.00	46.00	46.00	46.00	46.00	43.80
1979	46.00	46.00	46.00	46.50	47.25	48.00	48.00	48.20	50.00	50.00	50.00	50.00	48.00
1980	50.00	50.00	51.00	52.25									
LIGHT CHUNK (NO. 1/2 -- 6-1/2 OZ. 48'S), IN OIL													
1976	24.70	26.33	26.70	26.70	27.08	27.45	28.20	28.20	28.80	29.00	29.00	29.25	27.62
1977	29.50	29.50	29.50	29.50	30.25	33.00	33.00	33.00	33.00	33.00	33.75	34.00	31.75
1978	34.00	34.00	34.00	34.00	34.25	34.50	34.50	35.00	35.10	36.00	36.00	36.00	34.78
1979	36.00	36.00	36.00	36.25	36.63	37.00	38.00	38.20	40.00	40.00	40.00	41.00	37.92
1980	41.33	42.40	43.00	43.38									
WHOLESALE -- PRIVATE LABELS (1)													
	DOLLARS PER CASE												
WHITE SOLID (NO. 1/2 -- 7 OZ. 48'S), IN OIL													
1976	28.00	29.00	29.00	29.00	29.75	30.88	33.70	33.50	34.50	35.50	37.50	37.50	32.32
1977	37.50	37.50	37.50	37.50	37.50	37.50	37.50	38.62	39.00	39.00	39.00	39.00	38.09
1978	39.00	38.50	38.50	38.50	38.50	38.50	38.50	40.25	40.50	(3)	(3)	(3)	38.97
1979	40.33	39.50	39.50	40.31	41.25	41.25	41.25	41.45	42.25	42.50	43.45	43.75	41.40
1980	44.00	44.80	45.63	47.50									
LIGHT CHUNK (NO. 1/2 -- 6-1/2 OZ. 48'S), IN OIL													
1976	20.63	20.88	21.25	21.25	21.25	21.50	22.25	22.25	22.25	22.25	22.50	22.50	21.73
1977	22.50	22.50	22.88	26.80	28.00	29.50	29.50	29.50	29.50	29.50	29.50	29.30	27.41
1978	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.00	28.00	(3)	(3)	(3)	28.39
1979	27.83	27.75	28.00	28.25	28.50	28.70	30.00	30.20	31.00	31.13	31.90	33.00	29.69
1980	34.00	35.00	35.63	38.13									
RETAIL PRICE (2)													
	CENTS PER CAN												
WHITE SOLID (7-OZ. CAN)													
1976	77.4	79.6	78.8	77.9	80.1	81.8	83.6	84.9	86.2	90.6	91.0	91.9	83.6
1977	95.4	98.0	98.0	98.4	99.3	97.6	100.6	100.6	101.9	101.9	102.4	105.4	100.0
1978	105.9	106.3	105.4	106.8	107.2	111.1	109.8	111.6	113.3	116.4	117.7	117.3	110.7
1979	117.7	117.3	117.7	117.7	118.6	122.1	123.4	122.1	122.9	123.4	127.3	127.3	121.4
1980	126.0	127.3	126.0	128.6									
LIGHT CHUNK (6-1/2 OZ. CAN)													
1976	57.7	57.3	57.7	57.3	58.1	57.7	58.5	60.5	60.9	61.8	62.2	62.2	59.3
1977	60.9	65.8	63.0	64.2	67.0	65.4	71.1	73.5	73.1	71.5	73.5	75.2	68.7
1978	76.0	75.6	73.9	75.2	75.6	76.8	78.0	77.2	76.8	78.0	80.0	76.8	76.6
1979	80.0	81.7	81.3	79.6	80.8	82.1	78.0	82.5	84.9	82.1	82.9	84.1	81.7
1980	85.7	84.5	89.0	86.9									

(1) SOURCE: FISHERY MARKET NEWS REPORT, TERMINAL ISLAND, CAL. -- RESOURCE STATISTICS DIVISION, NMFS; REPORTED BY CALIFORNIA BROKERS AND CANNERY REPRESENTATIVES, F.O.B. CANNER'S TERMINAL. QUOTES DO NOT INCLUDE TRADE OR PROMOTIONAL ALLOWANCES.
(2) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.
(3) NO QUOTES.

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